



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LLCRB47-LED42SA30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLCRB47-LED42SA30
 [TESTDATE] 09-Nov-2017 10:45:31
 [TESTLAB] Radiant Vision Systems ProSource
 [ISSUE DATE] 11/9/2017 11:47:18 AM
 [MANUFAC] Mobern Lighting Co.
 [LAMP] LED Module
 [_TOTALLUMINAIRELUMENS] 2439.7
 [_NUMBEROFRAYS]10000000
 [DRIVER TYPE] (1) AC-A100VD24H4.1
 [LED TYPE] LED EXTRUSION TAPE - 46"
 [COLOR TEMP] 2,916 CCT
 [LUMEN/WATT] 72 LM/WT
 [CRI] 83.5
 [OTHER] Absolute Photometry measurement

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2440
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	34
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.42
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.18 m
Luminous Width (90-270)	0.11 m
Luminous Height	0.11 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3877	2946	3032
55	3397	2655	2853
65	2862	2421	2676
75	2114	2238	2618
85	898	2157	2544

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLCRB47-LED42SA30.IES

CANDELA TABULATION

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0	647.57	647.57	647.57	647.57	647.57	647.57	647.57	647.57	647.57	647.57
3	640.15	640.21	640.23	641.60	641.78	642.71	643.75	644.68	645.51	646.31
6	632.88	633.19	634.35	635.63	636.86	638.08	639.70	641.07	642.06	643.18
9	630.92	630.91	631.02	631.23	632.83	634.85	636.99	638.38	639.13	639.73
12	626.38	625.75	624.97	625.34	628.12	631.25	634.63	636.78	637.14	636.82
15	611.57	611.72	613.85	615.96	619.63	624.97	630.32	635.27	636.20	634.50
18	592.48	595.93	599.37	605.61	610.17	615.17	622.12	631.21	633.65	630.65
21	576.13	578.88	586.06	595.62	603.31	606.90	612.52	623.94	626.86	623.65
24	559.64	561.65	571.28	580.83	593.60	600.78	604.63	615.90	618.64	615.84
27	538.99	543.13	550.89	561.05	575.49	589.46	596.42	607.47	612.69	609.62
30	515.60	522.07	527.45	537.39	551.31	571.03	584.67	597.80	606.10	603.59
33	491.54	499.60	502.96	518.56	535.98	556.61	573.06	586.98	594.29	595.84
36	466.08	475.16	480.49	504.04	525.20	542.41	563.31	579.08	580.68	586.65
39	438.69	447.79	461.02	481.10	506.09	525.13	552.33	569.53	571.47	576.78
42	412.41	418.69	437.89	455.84	485.54	506.62	538.85	554.16	562.05	566.75
45	389.15	390.95	412.13	431.88	468.25	490.86	522.48	539.02	548.62	556.83
48	363.03	365.21	386.66	411.13	451.88	475.65	505.14	526.73	534.62	546.45
51	329.31	341.44	359.04	390.60	430.41	457.57	489.13	513.40	522.85	534.85
54	295.54	313.17	338.49	365.55	405.87	438.60	473.73	499.79	510.61	521.25
57	268.92	282.87	313.74	342.27	387.81	419.34	457.71	485.60	499.17	505.31
60	242.86	254.22	282.51	316.95	367.02	403.19	438.65	468.89	486.36	488.24
63	210.47	225.46	255.98	294.82	342.44	387.46	422.05	451.99	470.16	471.62
66	177.48	195.34	229.88	277.45	323.65	370.66	407.67	435.11	452.15	456.86
69	150.18	165.84	208.22	254.75	306.17	352.81	391.27	417.64	436.17	444.45
72	124.52	143.33	186.12	232.27	289.10	333.85	373.20	401.76	423.06	431.85
75	95.76	119.17	164.05	213.33	267.14	317.39	354.61	387.06	409.14	416.33
78	67.04	93.71	145.15	198.21	250.52	298.57	336.96	370.37	392.58	397.68
81	45.85	73.13	129.96	185.15	238.14	282.68	324.02	358.10	377.58	379.42
84	26.02	57.62	112.65	171.08	222.17	265.82	311.84	344.80	359.88	363.26
87	10.92	42.83	99.33	156.52	211.58	253.09	300.12	323.08	336.85	347.13
90	2.10	31.84	88.22	142.50	183.61	236.54	270.25	305.81	322.61	342.78
93	0.47	11.01	34.39	57.67	69.05	90.57	103.28	131.40	115.06	126.03
96	0.02	0.82	2.52	2.67	4.95	4.85	8.32	13.51	11.01	7.14
99	0.01	0.18	0.90	1.04	0.88	1.13	1.29	1.31	1.82	0.35
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLCRB47-LED42SA30.IES

CANDELA TABULATION - (Cont.)

162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	100	110	120	130	140	150	160	170	180	190
0	647.57	647.57	647.57	647.57	647.57	647.57	647.57	647.57	647.57	647.57
3	646.95	647.56	648.06	648.41	648.64	648.77	648.54	648.47	648.29	647.97
6	644.19	645.02	645.69	645.78	645.68	645.28	644.28	642.61	641.99	641.03
9	640.63	641.47	641.68	640.71	638.80	635.95	634.25	631.20	630.52	629.83
12	636.87	637.11	636.44	633.81	630.39	625.61	621.59	618.49	617.38	618.05
15	632.56	631.81	630.29	626.01	619.84	615.75	611.89	607.21	605.45	605.73
18	627.65	626.51	626.45	620.14	610.72	606.77	600.83	596.72	593.38	593.60
21	622.30	621.88	621.77	611.27	599.51	594.97	585.90	580.42	579.15	578.59
24	617.09	614.33	609.16	595.47	580.48	575.10	565.84	560.43	562.17	561.19
27	610.86	604.53	596.11	581.36	564.59	556.41	542.79	540.81	542.36	540.61
30	602.85	597.39	587.17	571.58	552.64	538.52	520.37	519.92	520.36	516.19
33	592.10	589.54	575.18	556.84	540.05	522.29	496.36	495.14	496.81	488.58
36	580.71	578.37	557.96	534.92	523.37	506.40	473.90	466.49	471.66	459.97
39	572.14	564.64	541.80	516.30	500.94	480.80	456.75	438.10	445.12	434.57
42	563.73	549.96	531.33	505.86	481.04	452.71	437.53	411.28	418.93	409.99
45	553.63	537.52	518.85	495.58	464.16	426.73	411.63	386.60	393.93	384.47
48	541.68	524.16	501.85	476.40	447.10	407.28	383.41	362.03	365.98	359.25
51	527.56	508.68	487.92	454.70	423.12	389.66	349.83	337.88	332.03	335.28
54	510.82	495.32	476.04	438.38	395.54	361.74	325.69	311.82	298.09	307.78
57	497.21	480.78	460.63	420.50	376.55	333.47	301.24	285.49	269.95	278.86
60	485.26	463.01	441.78	400.01	358.97	307.98	277.48	257.23	243.20	249.86
63	471.16	446.38	423.89	380.87	335.75	289.62	258.17	227.26	212.81	221.97
66	454.01	432.32	405.55	364.24	316.09	274.30	232.11	195.80	181.27	192.70
69	437.45	419.25	386.82	346.24	299.27	252.26	206.36	167.39	151.91	163.23
72	423.69	404.16	368.66	328.16	285.35	232.15	183.71	141.84	123.63	135.60
75	409.66	385.68	349.45	314.32	266.51	213.10	162.71	116.48	94.97	111.50
78	393.21	365.33	331.37	298.29	250.60	196.89	143.06	91.79	67.67	89.86
81	375.40	347.82	315.59	277.29	231.06	179.20	123.23	68.21	42.39	67.80
84	355.65	334.61	303.65	260.26	214.97	167.42	106.61	55.12	24.17	52.33
87	341.36	313.81	291.87	248.05	204.41	150.00	94.28	42.34	10.19	39.35
90	329.27	305.50	278.90	232.48	191.98	136.85	85.90	33.00	2.71	30.57
93	119.77	146.06	120.16	108.32	82.69	70.06	46.09	13.83	0.39	13.68
96	14.82	15.59	12.86	11.74	9.60	7.92	6.81	2.09	0.05	2.00
99	2.64	1.10	0.59	0.16	0.24	0.06	0.04	0.41	0.00	0.39
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLCRB47-LED42SA30.IES

CANDELA TABULATION - (Cont.)

135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
0	647.57	647.57	647.57	647.57	647.57	647.57	647.57	647.57	647.57	647.57
3	647.55	647.55	647.12	646.89	646.76	646.53	646.21	645.80	645.15	644.36
6	641.20	640.92	640.57	640.48	641.15	641.72	642.09	642.03	641.05	639.71
9	630.99	630.99	631.59	632.08	633.41	635.35	636.98	637.40	636.17	633.76
12	620.77	623.93	626.20	626.56	627.22	629.18	630.94	631.30	629.71	626.92
15	610.19	615.37	619.54	621.51	622.62	624.67	624.46	623.38	622.85	621.83
18	594.75	601.44	606.79	611.45	615.37	619.94	618.79	616.07	617.60	617.99
21	577.76	583.17	590.68	595.90	603.47	611.12	611.67	611.20	612.24	611.41
24	558.22	560.16	572.59	580.65	590.64	599.02	602.40	605.52	604.34	601.06
27	536.90	542.44	558.15	566.51	578.99	587.61	593.72	595.97	594.13	589.30
30	517.70	526.84	543.64	551.95	566.08	576.44	585.40	585.37	583.60	577.49
33	497.50	510.72	528.53	538.94	553.34	563.55	573.27	576.67	571.90	564.24
36	474.96	493.37	510.36	522.72	539.04	551.87	558.35	567.50	558.26	552.80
39	453.76	468.95	486.64	504.90	522.45	538.28	545.72	555.15	544.95	540.34
42	427.93	441.89	465.13	489.80	509.78	522.61	533.35	540.98	530.82	523.16
45	399.80	415.28	444.87	473.70	495.02	509.11	520.78	526.81	516.67	506.60
48	374.20	394.36	423.91	451.70	474.79	494.10	507.84	512.35	503.77	493.45
51	342.91	375.68	400.15	430.59	456.47	476.40	493.88	497.13	492.65	479.31
54	316.72	349.75	377.38	415.75	439.86	461.77	477.10	482.00	479.92	462.35
57	291.05	322.58	360.43	398.76	422.49	448.38	461.41	467.73	464.40	444.44
60	268.70	294.82	338.72	377.34	403.34	433.01	446.34	453.15	445.97	428.93
63	248.89	274.38	311.11	355.34	385.69	416.29	430.51	437.14	429.27	414.60
66	222.15	258.75	291.40	336.53	369.45	397.71	413.12	420.73	414.37	398.60
69	197.75	232.60	275.28	316.09	354.08	378.98	397.47	404.91	397.88	382.15
72	174.43	213.04	260.09	297.06	336.75	362.48	384.01	388.42	380.60	366.36
75	150.27	194.79	240.32	285.56	316.76	345.83	368.11	369.92	363.48	349.63
78	130.24	178.89	223.92	270.94	298.79	327.81	349.39	350.22	347.54	330.38
81	116.14	160.34	204.45	247.67	281.75	309.76	327.87	328.85	330.62	313.61
84	100.30	145.50	189.00	235.62	272.18	297.81	314.83	313.76	315.91	300.97
87	88.51	134.43	173.80	222.28	252.07	274.16	299.48	306.45	299.25	283.83
90	76.28	121.30	159.53	204.86	234.22	261.00	284.72	296.39	278.73	261.71
93	43.62	74.65	90.93	121.31	140.05	166.09	150.07	154.82	143.24	151.86
96	6.54	9.06	12.74	15.23	17.92	23.05	18.86	13.81	15.66	20.91
99	0.05	0.10	0.43	0.55	1.61	3.62	3.92	1.89	3.41	4.45
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLCRB47-LED42SA30.IES

CANDELA TABULATION - (Cont.)

108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0	647.57	647.57	647.57	647.57	647.57	647.57	647.57
3	643.43	642.35	641.42	641.32	639.99	640.09	640.15
6	637.88	635.93	634.84	633.96	633.20	632.60	632.88
9	631.05	629.08	628.42	628.51	629.43	630.27	630.92
12	624.27	623.35	623.48	623.10	623.74	625.10	626.38
15	619.24	617.94	616.50	613.73	611.24	609.83	611.57
18	613.58	609.80	606.08	601.25	594.71	593.45	592.48
21	604.11	596.77	592.72	586.81	581.63	579.48	576.13
24	592.61	582.58	575.43	566.02	565.66	564.68	559.64
27	581.46	568.97	560.03	546.92	540.84	540.91	538.99
30	567.34	552.35	543.28	529.63	516.29	512.46	515.60
33	551.36	535.08	525.39	512.21	495.68	490.71	491.54
36	537.77	518.42	506.80	491.84	474.90	471.57	466.08
39	525.96	504.29	487.25	464.10	452.84	445.43	438.69
42	511.79	488.81	466.85	440.17	427.16	414.04	412.41
45	490.87	469.32	441.52	417.67	401.75	384.49	389.15
48	469.65	450.37	419.59	396.07	378.04	357.92	363.03
51	454.34	431.50	401.33	374.43	350.35	333.32	329.31
54	438.84	409.84	379.08	347.89	326.37	304.85	295.54
57	422.22	388.07	360.69	323.83	298.12	276.07	268.92
60	405.30	371.48	342.10	298.59	268.38	249.49	242.86
63	389.07	354.07	319.49	276.28	244.33	220.81	210.47
66	371.95	336.75	299.18	258.64	218.12	187.26	177.48
69	354.36	321.70	278.37	236.84	194.66	159.48	150.18
72	336.87	305.69	260.75	215.27	172.63	137.41	124.52
75	318.55	288.18	241.85	196.06	151.32	112.34	95.76
78	300.64	267.43	227.62	181.09	131.70	85.75	67.04

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLCRB47-LED42SA30.IES

CANDELA TABULATION - (Cont.)

81	283.97	249.54	215.58	170.50	119.23	67.88	45.85
84	269.40	236.76	196.19	156.69	100.99	52.50	26.02
87	252.59	221.41	183.12	140.14	87.64	39.27	10.92
90	237.55	197.30	169.11	120.17	74.29	29.41	2.10
93	128.81	100.67	76.38	59.68	33.65	9.64	0.47
96	15.17	8.80	8.06	3.99	2.90	0.89	0.02
99	3.97	2.65	1.67	1.72	1.08	0.23	0.01
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLCRB47-LED42SA30.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	192.70	N.A.	7.90
0-30	503.96	N.A.	20.70
0-40	799.43	N.A.	32.80
0-60	1549.67	N.A.	63.50
0-80	2101.99	N.A.	86.10
0-90	2378.58	N.A.	97.50
10-90	2329.08	N.A.	95.40
20-40	606.74	N.A.	24.90
20-50	928.33	N.A.	38.00
40-70	1045.14	N.A.	42.80
60-80	552.32	N.A.	22.60
70-80	257.42	N.A.	10.50
80-90	276.59	N.A.	11.30
90-110	61.73	N.A.	2.50
90-120	61.73	N.A.	2.50
90-130	61.73	N.A.	2.50
90-150	61.73	N.A.	2.50
90-180	61.73	N.A.	2.50
110-180	0.00	N.A.	0.00
0-180	2440.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	49.50
10-20	143.20
20-30	311.27
30-40	295.47
40-50	321.59
50-60	428.64
60-70	294.90
70-80	257.42
80-90	276.59
90-100	61.52
100-110	0.21
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

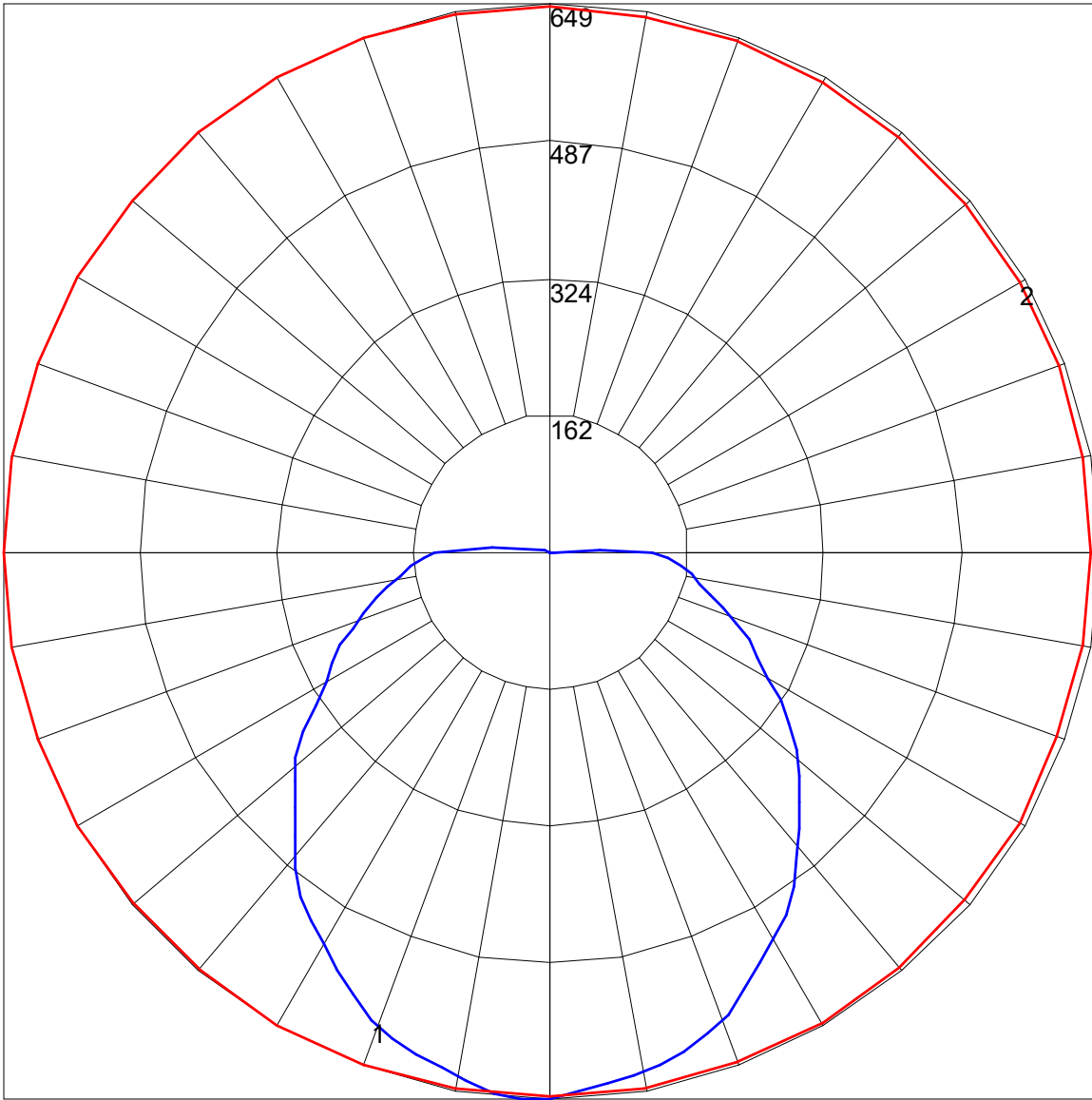
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LLCRB47-LED42SA30.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	
0	118	118	118	118	115	115	115	115	110	110	110	105	105	105	100	100	100	97
1	104	97	91	86	100	94	89	84	89	85	81	85	81	78	81	78	75	72
2	93	83	74	67	90	80	72	66	76	70	64	72	67	62	69	64	60	57
3	84	71	62	54	81	70	61	53	66	58	52	63	56	51	60	54	49	47
4	76	63	53	45	74	61	52	44	58	50	43	55	48	42	53	47	42	39
5	70	55	45	38	67	54	45	38	52	43	37	49	42	36	47	41	36	33
6	64	50	40	33	62	48	39	32	46	38	32	44	37	31	42	36	31	29
7	59	45	35	29	57	44	35	28	42	34	28	40	33	27	39	32	27	25
8	55	41	31	25	53	40	31	25	38	30	25	37	30	24	35	29	24	22
9	51	37	28	22	50	36	28	22	35	27	22	34	27	22	33	26	22	20
10	48	34	26	20	47	34	26	20	32	25	20	31	24	20	30	24	19	18

POLAR GRAPH



Maximum Candela = 648.77 Located At Horizontal Angle = 150, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (150 - 330) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)