

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P189531

Luminaire Tested: **BRG-WG-6L35-LD2-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189531
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34863)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WG-6L35-LD2-UNV-22-STD
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND
RECTANGULAR PERF INLAY
LIGHT LEVEL 6 (975 mA)
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

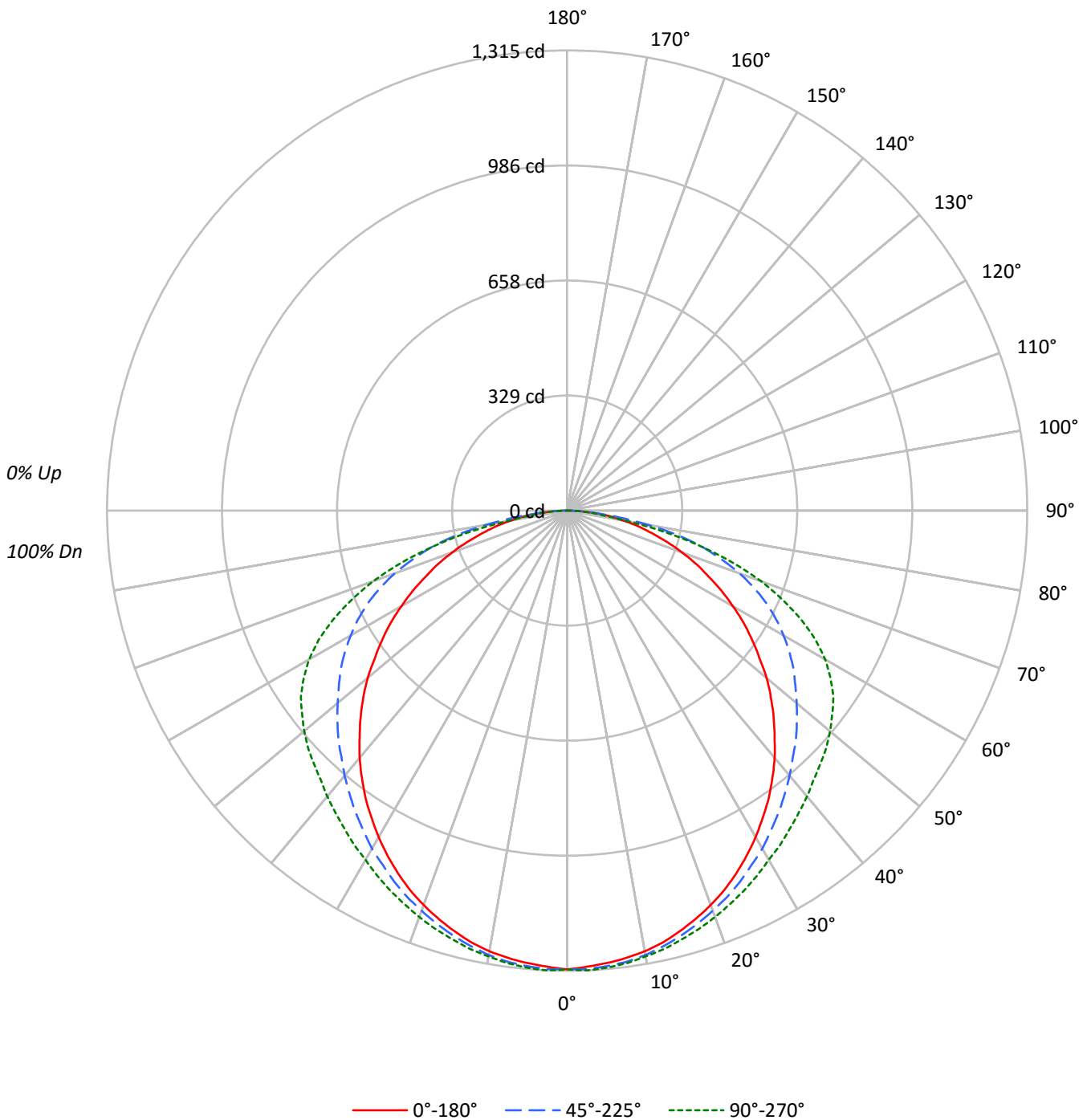
Lumens per Lamp: N/A
Luminaire Lumens: 4179.5 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 45.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	98	94	105	100	96	92	96	93	89	92	89	87	89	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	62	86	75	67	61	72	66	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	51	64	56	50	62	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	30
8	59	45	36	30	57	44	35	30	42	35	29	41	34	29	40	34	29	27
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24
10	51	38	29	24	50	37	29	24	36	29	24	35	28	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4199	4199	4199
5°	4173	4201	4215
10°	4159	4194	4208
15°	4126	4169	4205
20°	4088	4147	4212
25°	4041	4133	4231
30°	3983	4126	4261
35°	3926	4119	4337
40°	3857	4135	4459
45°	3780	4189	4636
50°	3710	4266	4886
55°	3606	4409	5188
60°	3505	4577	5456
65°	3382	4764	5594
70°	3275	4903	5525
75°	3107	4938	4912
80°	3008	4352	3205
85°	2760	3076	2366



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.1	3.0
10°-20°	354.8	8.5
20°-30°	539.5	12.9
30°-40°	660.7	15.8
40°-50°	715.4	17.1
50°-60°	704.0	16.8
60°-70°	604.0	14.5
70°-80°	380.9	9.1
80°-90°	96.1	2.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1018.4	24.4
0°-40°	1679.1	40.2
0°-60°	3098.5	74.1
0°-90°	4179.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4179.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1311	1311	1311	1311	1311	
5°	1298	1302	1307	1309	1311	123
15°	1245	1249	1258	1266	1268	351
25°	1144	1150	1170	1189	1197	527
35°	1004	1017	1054	1092	1109	628
45°	835	860	925	991	1024	644
55°	646	693	790	882	929	578
65°	446	524	629	706	738	443
75°	251	339	399	401	397	268
85°	75	103	84	66	64	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1311.1	1311.1	1311.1	1311.1	1311.1
2.5°	1304.7	1306.8	1311.1	1315.4	1315.4
5°	1298.2	1302.5	1306.8	1309.0	1311.1
7.5°	1289.6	1293.9	1300.4	1302.5	1304.7
10°	1278.9	1281.1	1289.6	1293.9	1293.9
12.5°	1263.9	1266.0	1274.6	1281.1	1283.2
15°	1244.6	1248.9	1257.5	1266.0	1268.2
17.5°	1223.1	1227.4	1238.1	1248.9	1253.2
20°	1199.5	1203.8	1216.7	1229.6	1236.0
22.5°	1173.8	1180.2	1195.2	1210.3	1216.7
25°	1143.7	1150.2	1169.5	1188.8	1197.4
27.5°	1111.5	1122.3	1141.6	1165.2	1175.9
30°	1077.2	1087.9	1115.8	1141.6	1152.3
32.5°	1040.7	1053.6	1083.6	1115.8	1133.0
35°	1004.3	1017.1	1053.6	1092.2	1109.4
37.5°	963.5	980.6	1021.4	1066.5	1087.9
40°	922.7	942.0	989.2	1040.7	1066.5
42.5°	877.6	899.1	954.9	1015.0	1042.9
45°	834.7	860.5	924.9	991.4	1023.6
47.5°	789.7	819.7	890.5	965.6	1004.3
50°	744.6	776.8	856.2	939.9	980.6
52.5°	693.1	736.0	821.9	912.0	954.9
55°	645.9	693.1	789.7	881.9	929.1
57.5°	598.7	652.3	753.2	847.6	892.7
60°	547.2	609.4	714.6	806.8	851.9
62.5°	497.8	568.6	673.8	761.8	800.4
65°	446.3	523.6	628.7	706.0	738.2
67.5°	399.1	480.7	579.4	643.8	667.4
70°	349.8	437.8	523.6	570.8	590.1
72.5°	300.4	388.4	461.4	489.3	497.8
75°	251.1	339.0	399.1	401.3	397.0
77.5°	208.1	285.4	321.9	302.6	291.8
80°	163.1	229.6	236.0	197.4	173.8
82.5°	120.2	163.1	148.1	115.9	100.9
85°	75.1	103.0	83.7	66.5	64.4
87.5°	34.3	38.6	32.2	32.2	32.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)