

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: P189626

Luminaire Tested: **BRG-WN-3L35-LD2-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189626  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34885)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: BRG-WN-3L35-LD2-UNV-14-STD  
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND NANO PRISM INLAY  
LIGHT LEVEL 3 (865 mA)  
Light Source: (308) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

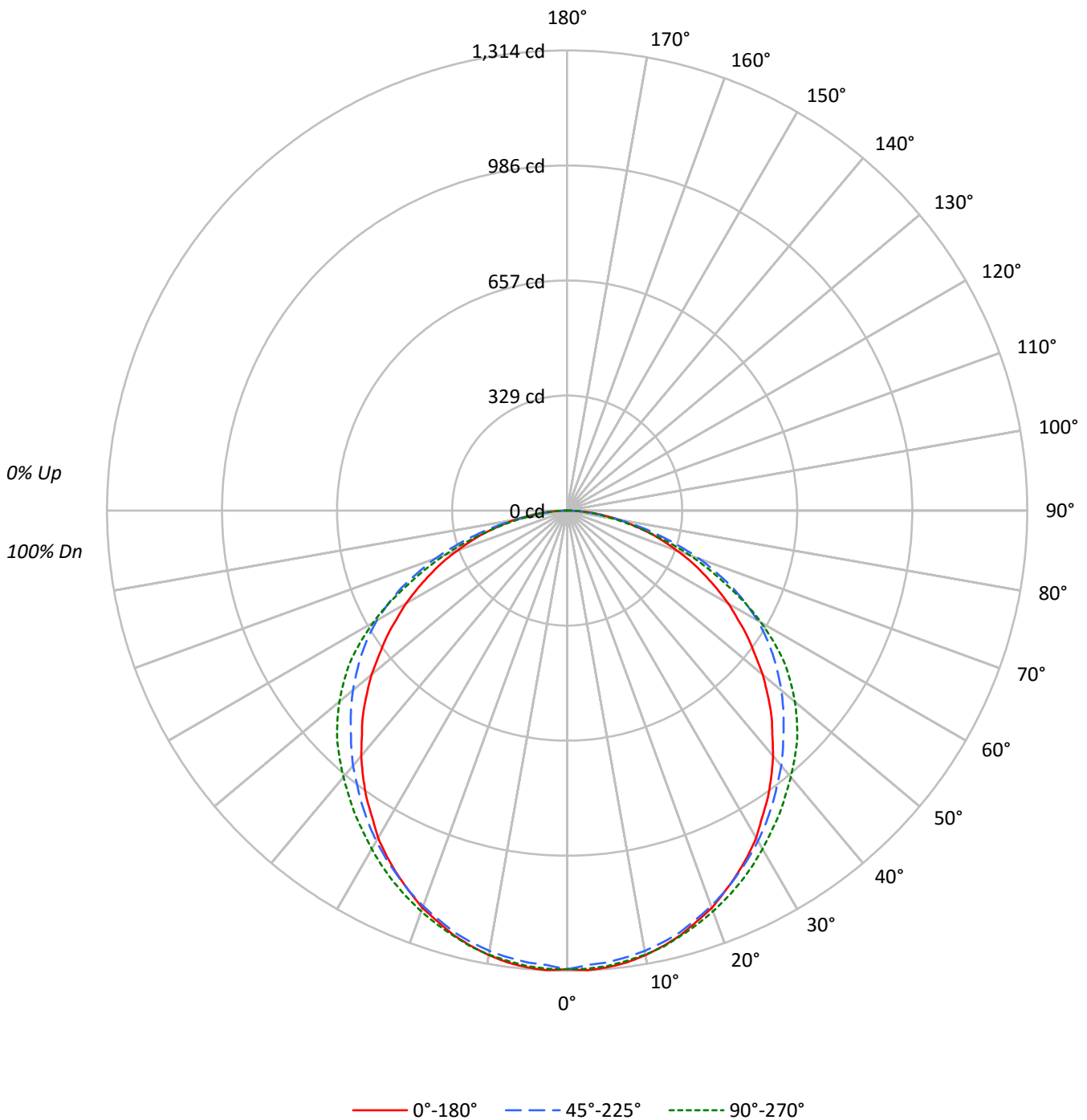
Lumens per Lamp: N/A  
Luminaire Lumens: 3803.9 lumens  
Efficiency: N/A  
Efficacy: 98.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38  
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')  
CIE Type: Direct

Input Watts (W): 38.7  
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	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4011	4011	4011
5°	4027	3983	4014
10°	4010	3972	4004
15°	3978	3953	3985
20°	3937	3917	3970
25°	3875	3882	3958
30°	3818	3854	3947
35°	3739	3823	3953
40°	3656	3803	3974
45°	3573	3785	4023
50°	3475	3804	4047
55°	3361	3829	4046
60°	3256	3843	3918
65°	3129	3779	3646
70°	2974	3593	3338
75°	2844	3206	2844
80°	2658	2623	2406
85°	2432	2077	2077



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.8	3.3
10°-20°	353.4	9.3
20°-30°	532.7	14.0
30°-40°	642.2	16.9
40°-50°	675.9	17.8
50°-60°	629.8	16.6
60°-70°	491.6	12.9
70°-80°	281.1	7.4
80°-90°	73.4	1.9
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°	1009.8	26.5
0°-40°	1652.0	43.4
0°-60°	2957.8	77.8
0°-90°	3803.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3803.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1310	1310	1310	1310	1310	
5°	1310	1305	1295	1305	1305	124
15°	1254	1252	1246	1259	1256	354
25°	1147	1147	1149	1167	1171	528
35°	1000	1006	1022	1049	1057	625
45°	825	841	874	914	929	635
55°	629	664	717	749	758	562
65°	432	487	521	513	503	428
75°	240	303	271	248	240	253
85°	69	67	59	57	59	76
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1309.5	1309.5	1309.5	1309.5	1309.5
2.5°	1313.6	1311.5	1299.3	1311.5	1309.5
5°	1309.5	1305.4	1295.2	1305.4	1305.4
7.5°	1301.3	1297.3	1287.1	1299.3	1297.3
10°	1289.1	1287.1	1276.9	1287.1	1287.1
12.5°	1272.8	1270.8	1262.7	1272.8	1274.9
15°	1254.5	1252.5	1246.4	1258.6	1256.5
17.5°	1230.1	1230.1	1224.0	1238.2	1238.2
20°	1207.7	1205.6	1201.6	1215.8	1217.9
22.5°	1177.1	1175.1	1177.1	1193.4	1195.4
25°	1146.6	1146.6	1148.6	1166.9	1171.0
27.5°	1114.0	1116.0	1120.1	1140.5	1144.5
30°	1079.4	1081.4	1089.5	1109.9	1116.0
32.5°	1036.6	1044.7	1057.0	1079.4	1085.5
35°	999.9	1006.1	1022.3	1048.8	1057.0
37.5°	957.2	965.3	985.7	1016.2	1024.4
40°	914.4	924.6	951.1	981.6	993.8
42.5°	867.6	883.9	912.4	947.0	961.2
45°	824.8	841.1	873.7	914.4	928.7
47.5°	775.9	796.3	837.0	875.7	890.0
50°	729.1	751.5	798.3	837.0	849.2
52.5°	676.1	708.7	757.6	794.3	804.4
55°	629.3	663.9	716.9	749.4	757.6
57.5°	578.4	621.1	674.1	698.5	700.6
60°	531.5	578.4	627.3	639.5	639.5
62.5°	480.6	533.6	576.3	578.4	574.3
65°	431.7	486.7	521.4	513.2	503.0
67.5°	384.9	444.0	460.3	446.0	437.9
70°	332.0	399.2	401.2	378.8	372.7
72.5°	287.2	350.3	336.0	311.6	305.5
75°	240.3	303.4	270.9	248.5	240.3
77.5°	191.4	248.5	209.8	187.4	185.3
80°	150.7	187.4	148.7	134.4	136.4
82.5°	105.9	124.2	97.8	95.7	95.7
85°	69.2	67.2	59.1	57.0	59.1
87.5°	30.5	28.5	26.5	24.4	24.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)