

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: P189590

Luminaire Tested: **BRG-WG-2L30-LD2-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189590  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34883)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: BRG-WG-2L30-LD2-UNV-14-STD  
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND  
RECTANGULAR PERF INLAY  
LIGHT LEVEL 2 (635 mA)  
Light Source: (308) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

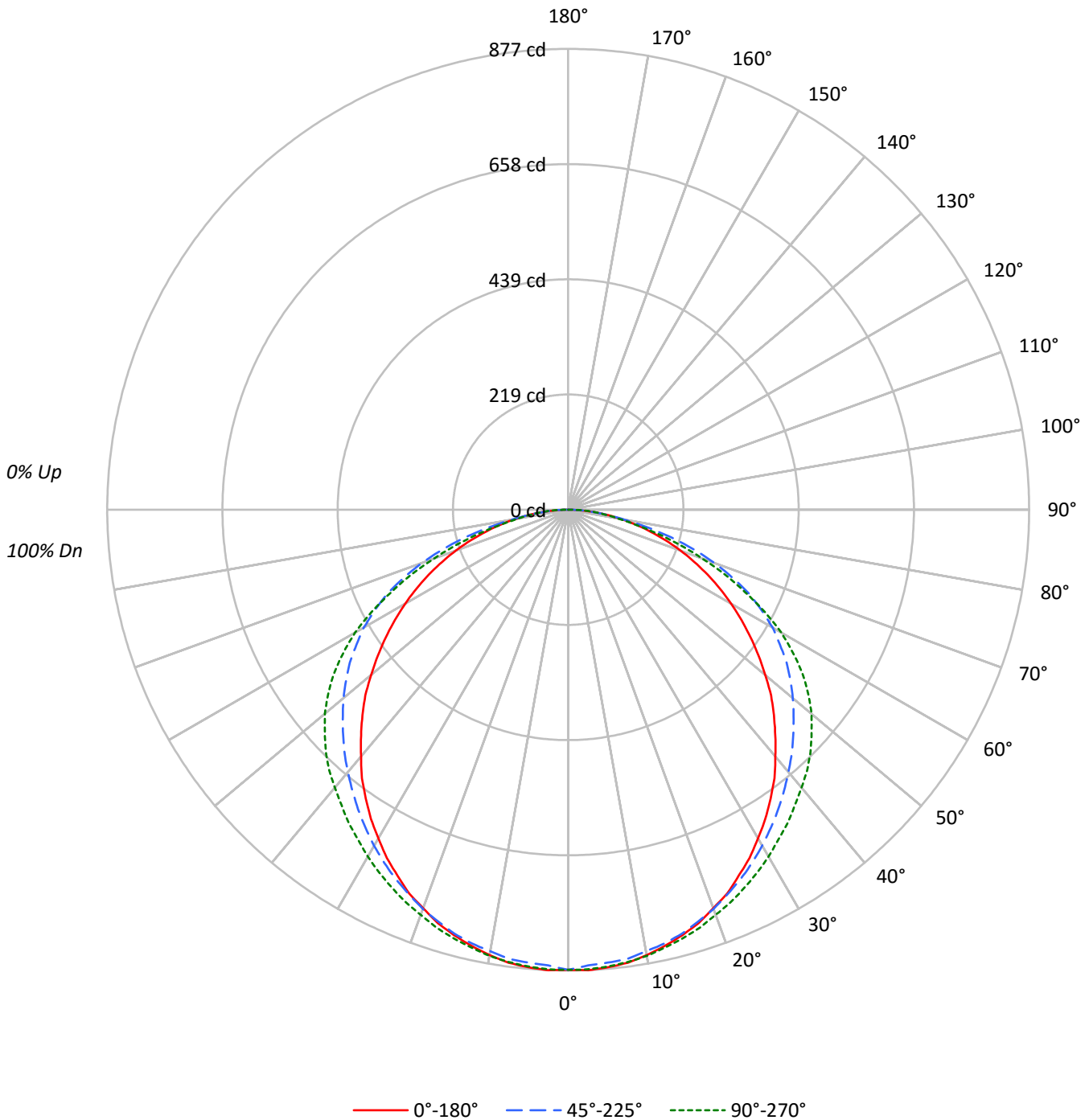
Lumens per Lamp: N/A  
Luminaire Lumens: 2637.3 lumens  
Efficiency: N/A  
Efficacy: 93.9 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.4  
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.1  
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	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	57	51	61	55	51	48
5	75	62	52	46	73	60	52	45	58	51	45	56	50	44	54	49	44	42
6	69	55	46	40	67	54	46	39	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25
10	52	39	31	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

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

	0°	45°	90°
0°	2682	2682	2682
5°	2688	2660	2683
10°	2677	2654	2682
15°	2659	2649	2678
20°	2631	2636	2674
25°	2596	2622	2682
30°	2554	2612	2696
35°	2510	2605	2722
40°	2452	2607	2762
45°	2397	2624	2824
50°	2332	2659	2879
55°	2262	2709	2908
60°	2193	2751	2870
65°	2119	2757	2692
70°	2030	2645	2432
75°	1924	2384	2065
80°	1789	1921	1685
85°	1624	1571	1677



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.8	3.1
10°-20°	236.9	9.0
20°-30°	359.4	13.6
30°-40°	437.4	16.6
40°-50°	466.6	17.7
50°-60°	442.5	16.8
60°-70°	353.3	13.4
70°-80°	203.5	7.7
80°-90°	54.9	2.1
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°	679.1	25.7
0°-40°	1116.4	42.3
0°-60°	2025.5	76.8
0°-90°	2637.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2637.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	876	876	876	876	876	
5°	874	873	865	873	873	83
15°	838	838	835	844	844	236
25°	768	771	776	791	794	354
35°	671	679	697	720	728	420
45°	553	570	606	640	652	427
55°	424	456	507	537	544	379
65°	292	345	380	377	371	289
75°	163	219	201	182	174	173
85°	46	49	45	46	48	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	875.6	875.6	875.6	875.6	875.6
2.5°	877.1	875.6	868.1	875.6	875.6
5°	874.1	872.6	865.2	872.6	872.6
7.5°	869.6	868.1	862.2	868.1	868.1
10°	860.7	859.2	853.2	862.2	862.2
12.5°	850.2	850.2	845.8	853.2	853.2
15°	838.3	838.3	835.3	844.3	844.3
17.5°	824.9	823.4	821.9	832.3	833.8
20°	807.0	807.0	808.5	818.9	820.4
22.5°	790.6	790.6	792.1	805.5	808.5
25°	768.2	771.2	775.7	790.6	793.6
27.5°	747.3	748.8	757.8	774.2	778.6
30°	722.0	727.9	738.4	756.3	762.2
32.5°	698.1	704.1	717.5	738.4	744.3
35°	671.2	678.7	696.6	720.5	727.9
37.5°	644.4	651.9	674.2	701.1	708.5
40°	613.1	626.5	651.9	680.2	690.6
42.5°	583.2	598.2	629.5	660.8	672.7
45°	553.4	569.8	605.6	639.9	651.9
47.5°	523.6	541.5	581.7	617.5	628.0
50°	489.3	513.1	557.9	592.2	604.1
52.5°	456.4	484.8	532.5	566.8	575.8
55°	423.6	456.4	507.2	537.0	544.5
57.5°	390.8	428.1	477.3	502.7	507.2
60°	358.0	399.8	449.0	465.4	468.4
62.5°	325.2	372.9	414.7	423.6	422.1
65°	292.4	344.6	380.4	377.4	371.4
67.5°	259.5	314.7	338.6	328.2	323.7
70°	226.7	284.9	295.3	278.9	271.5
72.5°	195.4	253.6	249.1	229.7	222.3
75°	162.6	219.3	201.4	182.0	174.5
77.5°	132.8	182.0	152.1	134.2	129.8
80°	101.4	138.7	108.9	97.0	95.5
82.5°	73.1	92.5	71.6	70.1	70.1
85°	46.2	49.2	44.7	46.2	47.7
87.5°	20.9	22.4	23.9	23.9	25.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)