

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: P189579

Luminaire Tested: **BRG-WS-1L35-LD2-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189579  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34878)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: BRG-WS-1L35-LD2-UNV-14-STD  
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 1 (425 mA)  
Light Source: (308) 3500K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

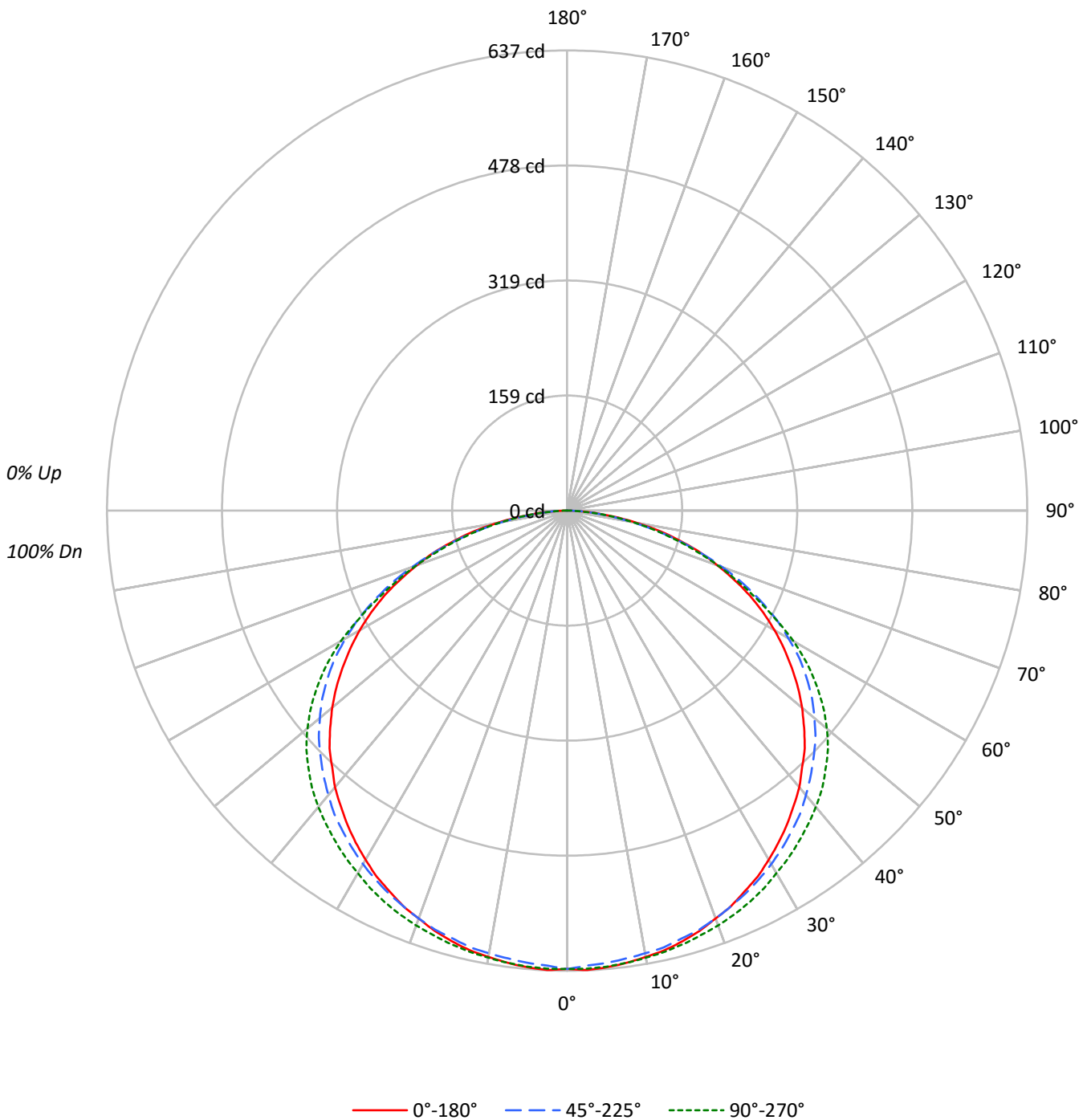
Lumens per Lamp: N/A  
Luminaire Lumens: 2079.7 lumens  
Efficiency: N/A  
Efficacy: 111.2 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.36 / 1.47  
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')  
CIE Type: Direct

Input Watts (W): 18.7  
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	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56
4	81	68	59	52	79	67	59	52	65	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	27	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

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

	0°	45°	90°
0°	1944	1944	1944
5°	1951	1933	1948
10°	1952	1936	1955
15°	1957	1945	1970
20°	1959	1959	1992
25°	1965	1976	2021
30°	1974	1999	2050
35°	1984	2026	2091
40°	1999	2056	2142
45°	2015	2091	2192
50°	2023	2130	2236
55°	2027	2163	2251
60°	2032	2169	2219
65°	2026	2137	2100
70°	1983	2047	1992
75°	1920	1871	1836
80°	1727	1602	1619
85°	1364	1220	1146



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.2	2.9
10°-20°	174.5	8.4
20°-30°	271.4	13.0
30°-40°	340.6	16.4
40°-50°	373.6	18.0
50°-60°	359.5	17.3
60°-70°	286.8	13.8
70°-80°	170.1	8.2
80°-90°	43.0	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°	506.0	24.3
0°-40°	846.6	40.7
0°-60°	1579.8	76.0
0°-90°	2079.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2079.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	635	635	635	635	635	
5°	635	634	628	634	634	60
15°	617	616	613	620	621	174
25°	582	583	585	595	598	268
35°	530	533	542	555	559	332
45°	465	469	483	500	506	358
55°	380	389	405	417	421	339
65°	280	291	295	291	290	275
75°	162	174	158	155	155	171
85°	39	37	35	33	33	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	634.6	634.6	634.6	634.6	634.6
2.5°	636.6	635.6	630.5	635.6	634.6
5°	634.6	633.6	628.5	633.6	633.6
7.5°	631.5	630.5	625.4	631.5	631.5
10°	627.4	626.4	622.3	628.5	628.5
12.5°	623.4	622.3	619.3	625.4	625.4
15°	617.2	616.2	613.2	620.3	621.3
17.5°	610.1	609.1	608.1	616.2	616.2
20°	600.9	600.9	600.9	610.1	611.1
22.5°	592.8	592.8	592.8	603.0	605.0
25°	581.5	582.6	584.6	594.8	597.9
27.5°	571.3	571.3	575.4	586.6	589.7
30°	558.1	560.1	565.2	576.4	579.5
32.5°	544.8	547.9	554.0	566.2	570.3
35°	530.5	532.6	541.7	555.0	559.1
37.5°	515.2	518.3	529.5	543.8	547.9
40°	499.9	503.0	514.2	530.5	535.6
42.5°	481.5	486.6	498.9	515.2	522.4
45°	465.2	469.3	482.6	499.9	506.0
47.5°	444.8	450.9	466.2	482.6	489.7
50°	424.4	431.6	446.9	464.2	469.3
52.5°	403.0	411.2	427.5	441.8	446.9
55°	379.5	388.7	405.0	417.3	421.4
57.5°	356.1	367.3	381.6	389.7	393.8
60°	331.6	341.8	354.0	360.1	362.2
62.5°	306.1	316.3	326.5	325.5	325.5
65°	279.5	290.8	294.8	290.8	289.7
67.5°	250.0	263.2	263.2	256.1	255.1
70°	221.4	234.7	228.5	221.4	222.4
72.5°	193.8	206.1	192.8	186.7	187.7
75°	162.2	174.5	158.1	155.1	155.1
77.5°	131.6	139.8	124.5	122.4	123.4
80°	97.9	105.1	90.8	89.8	91.8
82.5°	66.3	68.4	60.2	61.2	63.3
85°	38.8	36.7	34.7	32.6	32.6
87.5°	14.3	14.3	11.2	10.2	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)