

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: P189574

Luminaire Tested: **BRG-WS-1L30-LD2-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189574  
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-1L30-LD2-UNV-14-STD  
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 1 (425 mA)  
Light Source: (308) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

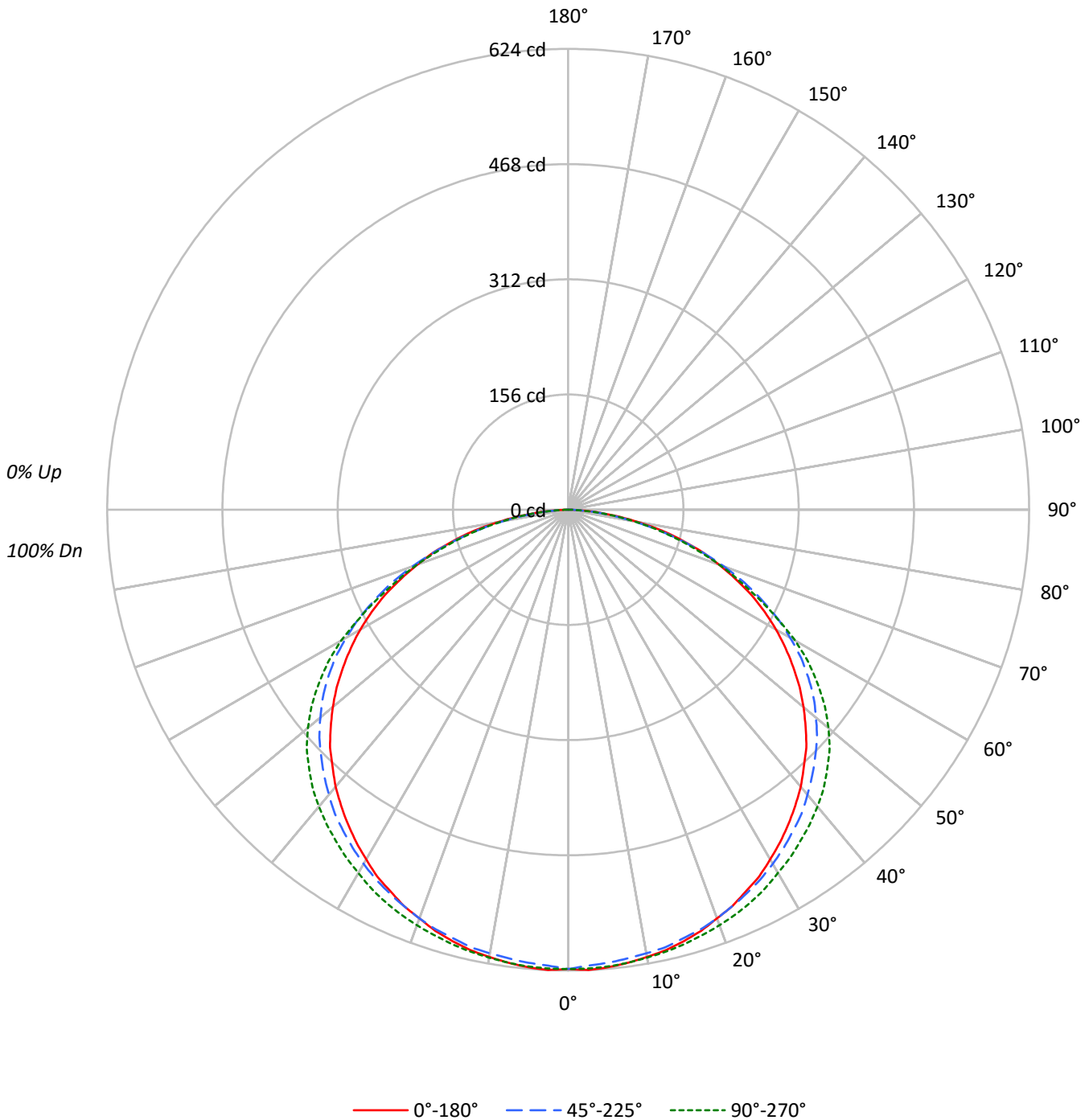
Lumens per Lamp: N/A  
Luminaire Lumens: 2038.0 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.36 / 1.47  
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')  
CIE Type: Direct

Input Watts (W): 18.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	1905	1905	1905
5°	1912	1894	1909
10°	1913	1897	1916
15°	1918	1906	1931
20°	1920	1920	1952
25°	1926	1936	1980
30°	1934	1959	2009
35°	1944	1985	2049
40°	1959	2015	2099
45°	1975	2049	2148
50°	1982	2087	2192
55°	1986	2120	2205
60°	1990	2125	2174
65°	1985	2094	2058
70°	1944	2006	1952
75°	1882	1834	1799
80°	1693	1570	1588
85°	1336	1195	1125



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.0	2.9
10°-20°	171.0	8.4
20°-30°	265.9	13.0
30°-40°	333.8	16.4
40°-50°	366.2	18.0
50°-60°	352.3	17.3
60°-70°	281.0	13.8
70°-80°	166.7	8.2
80°-90°	42.1	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°	495.9	24.3
0°-40°	829.7	40.7
0°-60°	1548.2	76.0
0°-90°	2038.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2038.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	622	622	622	622	622	
5°	622	621	616	621	621	59
15°	605	604	601	608	609	171
25°	570	571	573	583	586	263
35°	520	522	531	544	548	326
45°	456	460	473	490	496	351
55°	372	381	397	409	413	333
65°	274	285	289	285	284	270
75°	159	171	155	152	152	167
85°	38	36	34	32	32	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	621.9	621.9	621.9	621.9	621.9
2.5°	623.9	622.9	617.9	622.9	621.9
5°	621.9	620.9	615.9	620.9	620.9
7.5°	618.9	617.9	612.9	618.9	618.9
10°	614.9	613.9	609.9	615.9	615.9
12.5°	610.9	609.9	606.9	612.9	612.9
15°	604.9	603.9	600.9	607.9	608.9
17.5°	597.9	596.9	595.9	603.9	603.9
20°	588.9	588.9	588.9	597.9	598.9
22.5°	580.9	580.9	580.9	590.9	592.9
25°	569.9	570.9	572.9	582.9	585.9
27.5°	559.9	559.9	563.9	574.9	577.9
30°	546.9	548.9	553.9	564.9	567.9
32.5°	533.9	536.9	542.9	554.9	558.9
35°	519.9	521.9	530.9	543.9	547.9
37.5°	504.9	507.9	518.9	532.9	536.9
40°	489.9	492.9	503.9	519.9	524.9
42.5°	471.9	476.9	488.9	504.9	511.9
45°	455.9	459.9	472.9	489.9	495.9
47.5°	435.9	441.9	456.9	472.9	479.9
50°	415.9	422.9	437.9	454.9	459.9
52.5°	394.9	402.9	418.9	432.9	437.9
55°	371.9	380.9	396.9	408.9	412.9
57.5°	348.9	359.9	373.9	381.9	385.9
60°	324.9	334.9	346.9	352.9	354.9
62.5°	299.9	309.9	319.9	318.9	318.9
65°	273.9	284.9	288.9	284.9	283.9
67.5°	245.0	258.0	258.0	251.0	250.0
70°	217.0	230.0	224.0	217.0	218.0
72.5°	190.0	202.0	189.0	183.0	184.0
75°	159.0	171.0	155.0	152.0	152.0
77.5°	129.0	137.0	122.0	120.0	121.0
80°	96.0	103.0	89.0	88.0	90.0
82.5°	65.0	67.0	59.0	60.0	62.0
85°	38.0	36.0	34.0	32.0	32.0
87.5°	14.0	14.0	11.0	10.0	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)