

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: P189605

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189605  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34884)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: BRG-WD-2L30-LD2-UNV-14-STD  
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND ROUND PERF INLAY  
LIGHT LEVEL 2 (635 mA)  
Light Source: (308) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

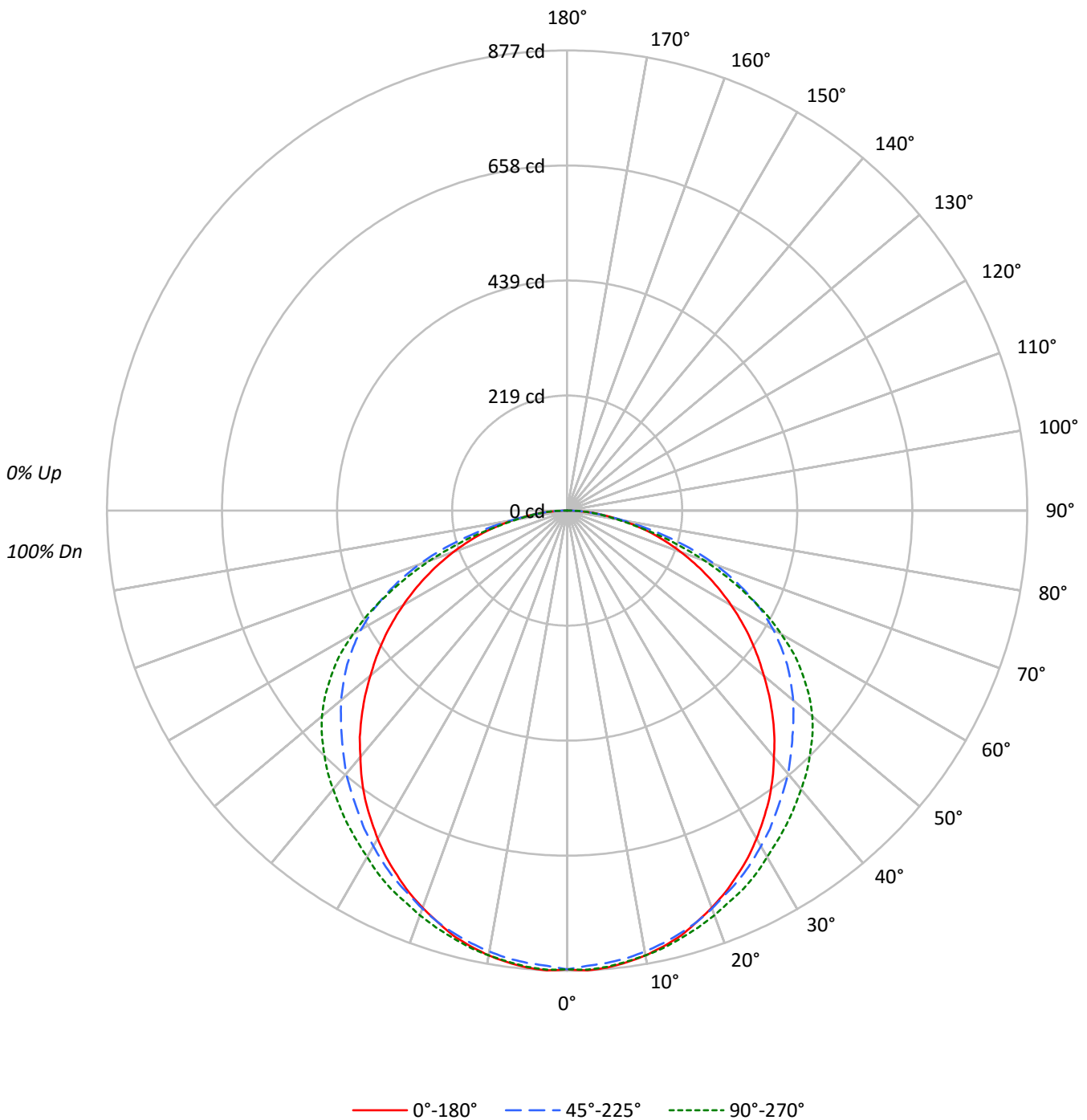
Lumens per Lamp: N/A  
Luminaire Lumens: 2652.2 lumens  
Efficiency: N/A  
Efficacy: 94.4 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.41  
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')  
CIE Type: Direct

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	82	76	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	62	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	61	55	50	48
5	75	61	52	45	73	60	52	45	58	51	45	56	49	44	54	48	44	41
6	69	55	46	39	67	54	46	39	52	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	43	36	31	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	32	27	25
10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

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

	0°	45°	90°
0°	2678	2678	2678
5°	2688	2661	2684
10°	2678	2655	2678
15°	2659	2645	2673
20°	2626	2631	2675
25°	2592	2622	2688
30°	2554	2613	2697
35°	2511	2606	2728
40°	2452	2619	2774
45°	2398	2631	2838
50°	2332	2681	2908
55°	2279	2733	2933
60°	2212	2779	2889
65°	2141	2780	2736
70°	2058	2686	2499
75°	1978	2401	2119
80°	1842	1921	1711
85°	1677	1575	1627



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.8	3.1
10°-20°	236.7	8.9
20°-30°	359.2	13.5
30°-40°	437.8	16.5
40°-50°	468.6	17.7
50°-60°	446.8	16.8
60°-70°	357.6	13.5
70°-80°	207.1	7.8
80°-90°	55.6	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°	678.6	25.6
0°-40°	1116.4	42.1
0°-60°	2031.9	76.6
0°-90°	2652.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2652.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	874	874	874	874	874	
5°	874	873	865	873	873	83
15°	838	837	834	843	843	236
25°	767	770	776	791	795	353
35°	671	677	697	721	730	419
45°	554	571	607	645	655	427
55°	427	461	512	543	549	381
65°	295	348	384	382	378	292
75°	167	222	203	185	179	176
85°	48	51	45	46	46	53
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	874.3	874.3	874.3	874.3	874.3
2.5°	877.3	875.8	868.4	874.3	875.8
5°	874.3	872.8	865.4	872.8	872.8
7.5°	868.4	866.9	860.9	868.4	866.9
10°	860.9	859.4	853.4	860.9	860.9
12.5°	850.5	849.0	844.5	853.4	853.4
15°	838.5	837.0	834.0	843.0	843.0
17.5°	822.1	822.1	822.1	831.1	832.6
20°	805.7	807.2	807.2	819.1	820.6
22.5°	787.8	789.3	790.8	805.7	807.2
25°	766.9	769.9	775.9	790.8	795.3
27.5°	746.0	749.0	758.0	774.4	780.3
30°	722.1	725.1	738.6	756.5	762.4
32.5°	696.8	702.7	719.2	738.6	746.0
35°	671.4	677.4	696.8	720.7	729.6
37.5°	643.1	652.0	675.9	702.7	711.7
40°	613.2	626.7	655.0	684.8	693.8
42.5°	584.9	598.3	631.1	664.0	675.9
45°	553.5	571.4	607.3	644.6	655.0
47.5°	522.2	543.1	584.9	622.2	634.1
50°	489.4	516.2	562.5	598.3	610.2
52.5°	458.1	487.9	537.1	571.4	581.9
55°	426.7	461.0	511.8	543.1	549.1
57.5°	393.9	432.7	483.4	510.3	514.8
60°	361.1	404.3	453.6	471.5	471.5
62.5°	328.2	376.0	420.8	429.7	428.2
65°	295.4	347.6	383.5	382.0	377.5
67.5°	262.6	319.3	343.2	332.7	328.2
70°	229.8	288.0	299.9	283.5	279.0
72.5°	198.4	258.1	253.6	234.2	226.8
75°	167.1	222.3	202.9	185.0	179.0
77.5°	134.3	186.5	155.2	137.3	131.3
80°	104.4	143.2	108.9	98.5	97.0
82.5°	74.6	94.0	71.6	70.1	70.1
85°	47.7	50.7	44.8	46.3	46.3
87.5°	20.9	22.4	23.9	25.4	25.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)