

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: P189527

Luminaire Tested: **BRG-WG-2L35-LD2-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189527  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34863)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: BRG-WG-2L35-LD2-UNV-22-STD  
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND  
RECTANGULAR PERF INLAY  
LIGHT LEVEL 2 (506 mA)  
Light Source: (168) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2326.5 lumens  
Efficiency: N/A  
Efficacy: 100.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.32 / 1.42  
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')  
CIE Type: Direct

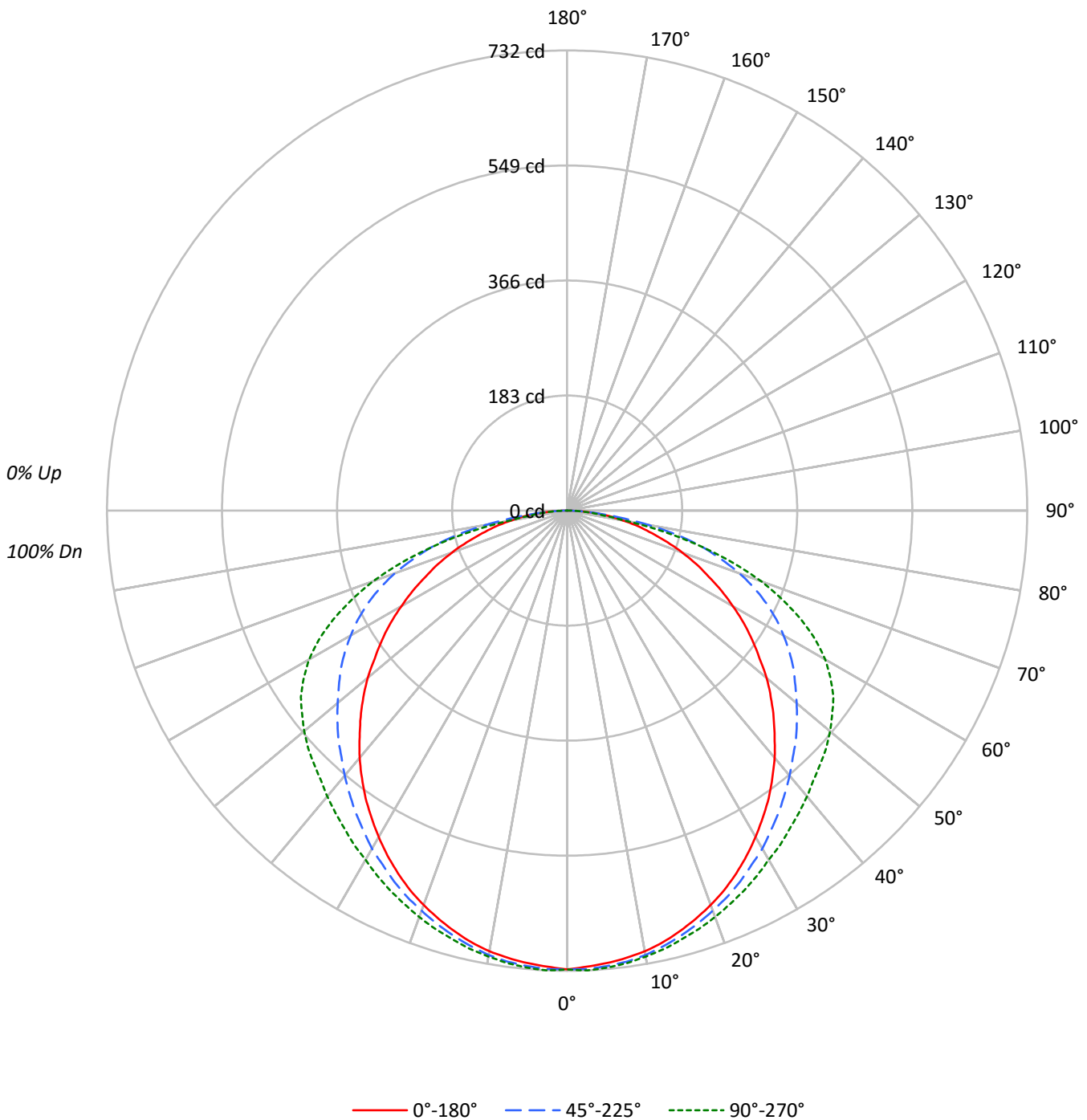
Input Watts (W): 23.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98	94	105	100	96	92	96	93	89	92	89	87	89	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	62	86	75	67	61	72	66	60	70	64	59	67	62	58	55
4	81	68	59	52	78	67	58	51	64	56	50	62	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	30
8	59	45	36	30	57	44	35	30	42	35	29	41	34	29	40	34	29	27
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24
10	51	38	29	24	50	37	29	24	36	29	24	35	28	24	34	28	24	22

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

	0°	45°	90°
0°	2337	2337	2337
5°	2323	2338	2346
10°	2315	2335	2342
15°	2297	2320	2340
20°	2276	2308	2345
25°	2249	2300	2355
30°	2217	2297	2372
35°	2185	2293	2414
40°	2147	2302	2482
45°	2104	2332	2581
50°	2065	2375	2720
55°	2007	2454	2888
60°	1951	2548	3037
65°	1882	2652	3114
70°	1823	2729	3076
75°	1730	2749	2735
80°	1675	2423	1785
85°	1536	1712	1315



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.1	3.0
10°-20°	197.5	8.5
20°-30°	300.3	12.9
30°-40°	367.8	15.8
40°-50°	398.2	17.1
50°-60°	391.9	16.8
60°-70°	336.2	14.5
70°-80°	212.0	9.1
80°-90°	53.5	2.3
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°	566.9	24.4
0°-40°	934.7	40.2
0°-60°	1724.8	74.1
0°-90°	2326.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2326.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	730	730	730	730	730	
5°	723	725	727	729	730	69
15°	693	695	700	705	706	195
25°	637	640	651	662	666	293
35°	559	566	586	608	618	349
45°	465	479	515	552	570	358
55°	360	386	440	491	517	322
65°	248	291	350	393	411	247
75°	140	189	222	223	221	149
85°	42	57	47	37	36	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	729.8	729.8	729.8	729.8	729.8
2.5°	726.2	727.4	729.8	732.2	732.2
5°	722.6	725.0	727.4	728.6	729.8
7.5°	717.9	720.3	723.8	725.0	726.2
10°	711.9	713.1	717.9	720.3	720.3
12.5°	703.5	704.7	709.5	713.1	714.3
15°	692.8	695.2	699.9	704.7	705.9
17.5°	680.8	683.2	689.2	695.2	697.6
20°	667.7	670.1	677.3	684.4	688.0
22.5°	653.4	656.9	665.3	673.7	677.3
25°	636.6	640.2	651.0	661.7	666.5
27.5°	618.7	624.7	635.4	648.6	654.6
30°	599.6	605.6	621.1	635.4	641.4
32.5°	579.3	586.5	603.2	621.1	630.7
35°	559.0	566.2	586.5	608.0	617.5
37.5°	536.3	545.9	568.6	593.6	605.6
40°	513.6	524.4	550.6	579.3	593.6
42.5°	488.5	500.5	531.5	565.0	580.5
45°	464.6	479.0	514.8	551.8	569.8
47.5°	439.6	456.3	495.7	537.5	559.0
50°	414.5	432.4	476.6	523.2	545.9
52.5°	385.8	409.7	457.5	507.6	531.5
55°	359.5	385.8	439.6	490.9	517.2
57.5°	333.3	363.1	419.3	471.8	496.9
60°	304.6	339.2	397.8	449.1	474.2
62.5°	277.1	316.5	375.1	424.0	445.5
65°	248.4	291.4	350.0	393.0	410.9
67.5°	222.2	267.6	322.5	358.3	371.5
70°	194.7	243.7	291.4	317.7	328.5
72.5°	167.2	216.2	256.8	272.3	277.1
75°	139.8	188.7	222.2	223.4	221.0
77.5°	115.9	158.9	179.2	168.4	162.4
80°	90.8	127.8	131.4	109.9	96.8
82.5°	66.9	90.8	82.4	64.5	56.1
85°	41.8	57.3	46.6	37.0	35.8
87.5°	19.1	21.5	17.9	17.9	17.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)