

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: P189595

Luminaire Tested: **BRG-WG-2L35-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189595
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-2L35-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) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

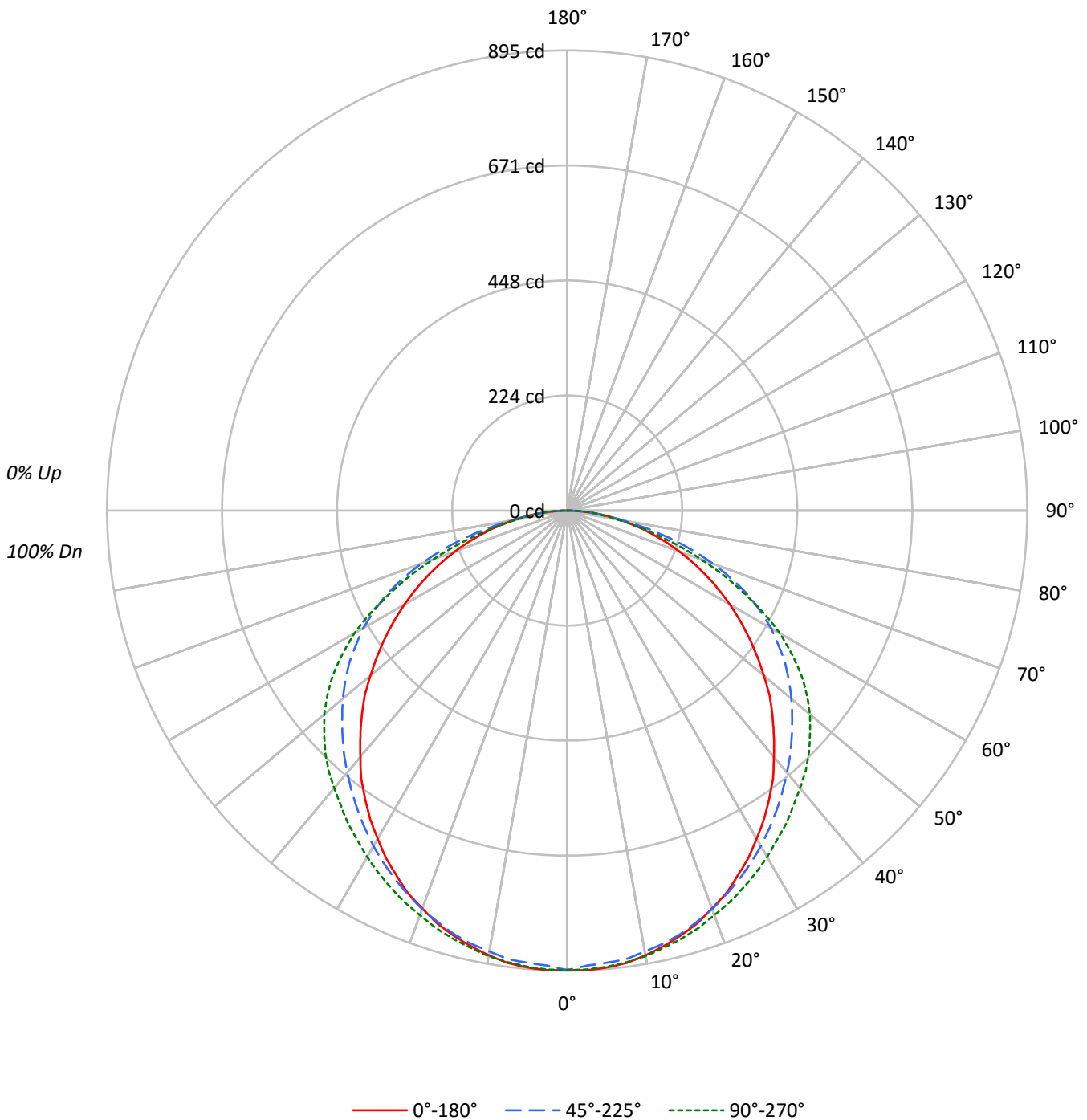
Lumens per Lamp: N/A
Luminaire Lumens: 2691.2 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.4
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.1
Input Voltage (V): NR
Input Current (A_{in}): 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°	2737	2737	2737
5°	2743	2715	2738
10°	2732	2708	2737
15°	2713	2703	2732
20°	2684	2689	2729
25°	2650	2675	2737
30°	2606	2665	2751
35°	2562	2658	2778
40°	2502	2660	2818
45°	2446	2677	2882
50°	2379	2713	2938
55°	2309	2764	2967
60°	2238	2807	2928
65°	2162	2813	2747
70°	2072	2699	2481
75°	1964	2432	2108
80°	1826	1960	1718
85°	1659	1606	1712



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	3.1
10°-20°	241.7	9.0
20°-30°	366.7	13.6
30°-40°	446.3	16.6
40°-50°	476.1	17.7
50°-60°	451.6	16.8
60°-70°	360.5	13.4
70°-80°	207.7	7.7
80°-90°	56.1	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°	692.9	25.7
0°-40°	1139.2	42.3
0°-60°	2066.9	76.8
0°-90°	2691.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2691.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	894	894	894	894	894	
5°	892	890	883	890	890	85
15°	855	855	852	862	862	241
25°	784	787	792	807	810	361
35°	685	693	711	735	743	428
45°	565	582	618	653	665	436
55°	432	466	518	548	556	387
65°	298	352	388	385	379	295
75°	166	224	206	186	178	176
85°	47	50	46	47	49	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	893.5	893.5	893.5	893.5	893.5
2.5°	895.0	893.5	885.9	893.5	893.5
5°	892.0	890.4	882.8	890.4	890.4
7.5°	887.4	885.9	879.8	885.9	885.9
10°	878.3	876.7	870.7	879.8	879.8
12.5°	867.6	867.6	863.0	870.7	870.7
15°	855.4	855.4	852.4	861.5	861.5
17.5°	841.7	840.2	838.7	849.3	850.9
20°	823.5	823.5	825.0	835.6	837.2
22.5°	806.7	806.7	808.2	821.9	825.0
25°	783.9	786.9	791.5	806.7	809.8
27.5°	762.6	764.1	773.2	790.0	794.6
30°	736.7	742.8	753.5	771.7	777.8
32.5°	712.4	718.4	732.1	753.5	759.5
35°	685.0	692.6	710.8	735.2	742.8
37.5°	657.6	665.2	688.0	715.4	723.0
40°	625.6	639.3	665.2	694.1	704.7
42.5°	595.2	610.4	642.3	674.3	686.5
45°	564.7	581.5	618.0	653.0	665.2
47.5°	534.3	552.5	593.6	630.2	640.8
50°	499.3	523.6	569.3	604.3	616.5
52.5°	465.8	494.7	543.4	578.4	587.5
55°	432.3	465.8	517.5	548.0	555.6
57.5°	398.8	436.9	487.1	513.0	517.5
60°	365.3	407.9	458.2	474.9	477.9
62.5°	331.8	380.5	423.2	432.3	430.8
65°	298.3	351.6	388.1	385.1	379.0
67.5°	264.9	321.2	345.5	334.9	330.3
70°	231.4	290.7	301.4	284.6	277.0
72.5°	199.4	258.8	254.2	234.4	226.8
75°	165.9	223.8	205.5	185.7	178.1
77.5°	135.5	185.7	155.3	137.0	132.4
80°	103.5	141.6	111.1	98.9	97.4
82.5°	74.6	94.4	73.1	71.5	71.5
85°	47.2	50.2	45.7	47.2	48.7
87.5°	21.3	22.8	24.4	24.4	25.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)