

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: P189596

Luminaire Tested: **BRG-WG-3L35-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189596
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-3L35-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND
RECTANGULAR PERF INLAY
LIGHT LEVEL 3 (865 mA)
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

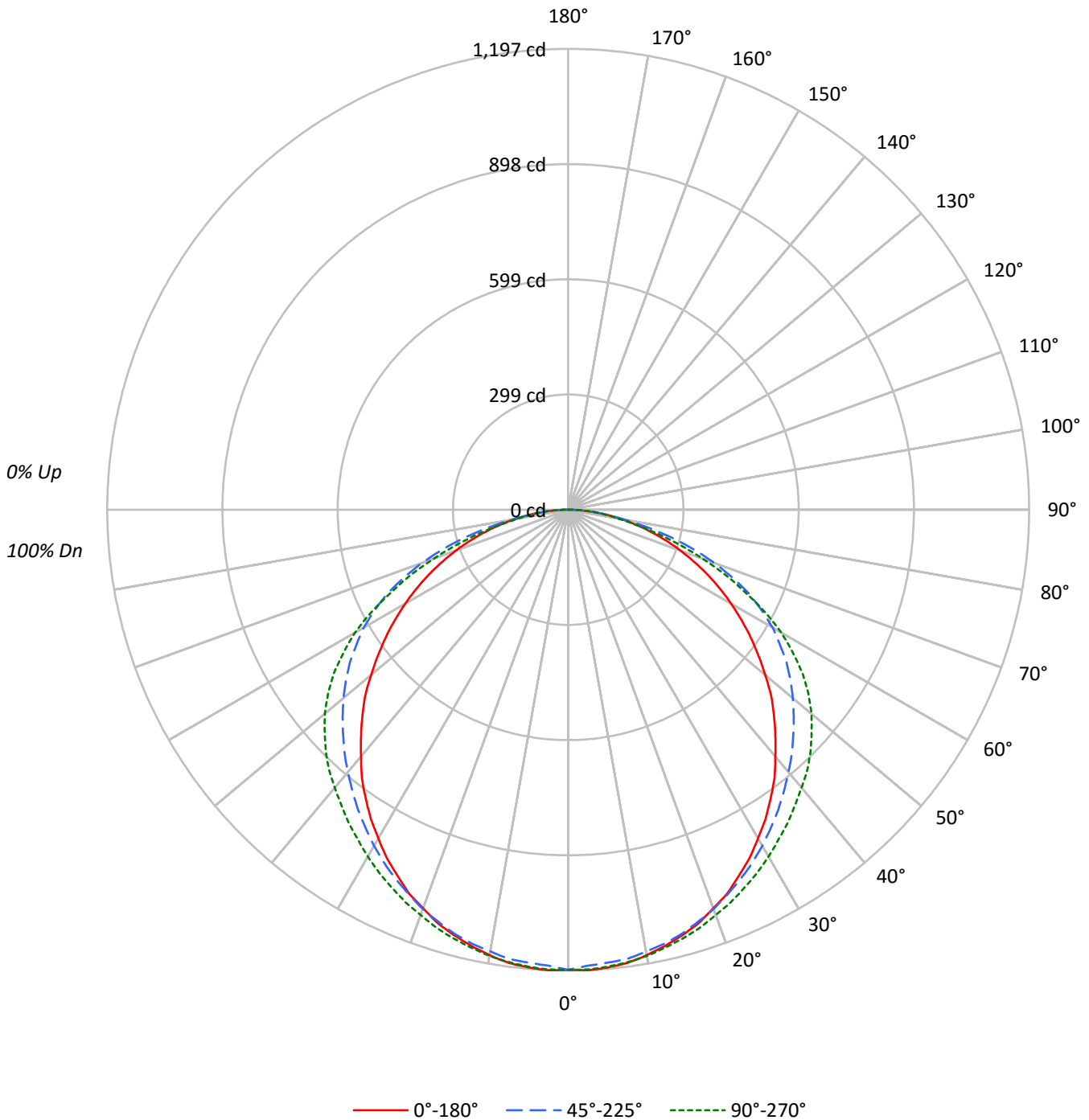
Lumens per Lamp: N/A
Luminaire Lumens: 3600.3 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.4
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 38.7
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°	3661	3661	3661
5°	3669	3632	3663
10°	3655	3623	3661
15°	3629	3617	3655
20°	3591	3598	3651
25°	3545	3579	3661
30°	3486	3565	3681
35°	3427	3556	3716
40°	3347	3559	3770
45°	3273	3582	3855
50°	3183	3629	3930
55°	3088	3698	3970
60°	2994	3755	3917
65°	2893	3764	3676
70°	2772	3611	3319
75°	2627	3254	2820
80°	2443	2623	2299
85°	2218	2147	2292



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	3.1
10°-20°	323.4	9.0
20°-30°	490.6	13.6
30°-40°	597.1	16.6
40°-50°	636.9	17.7
50°-60°	604.1	16.8
60°-70°	482.3	13.4
70°-80°	277.8	7.7
80°-90°	75.0	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°	927.0	25.7
0°-40°	1524.1	42.3
0°-60°	2765.2	76.8
0°-90°	3600.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3600.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1195	1195	1195	1195	1195	
5°	1193	1191	1181	1191	1191	113
15°	1144	1144	1140	1153	1153	323
25°	1049	1053	1059	1079	1083	483
35°	916	926	951	984	994	573
45°	756	778	827	874	890	583
55°	578	623	692	733	743	517
65°	399	470	519	515	507	395
75°	222	299	275	248	238	236
85°	63	67	61	63	65	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1195.3	1195.3	1195.3	1195.3	1195.3
2.5°	1197.4	1195.3	1185.2	1195.3	1195.3
5°	1193.3	1191.3	1181.1	1191.3	1191.3
7.5°	1187.2	1185.2	1177.0	1185.2	1185.2
10°	1175.0	1172.9	1164.8	1177.0	1177.0
12.5°	1160.7	1160.7	1154.6	1164.8	1164.8
15°	1144.4	1144.4	1140.4	1152.6	1152.6
17.5°	1126.1	1124.1	1122.0	1136.3	1138.3
20°	1101.7	1101.7	1103.7	1118.0	1120.0
22.5°	1079.3	1079.3	1081.3	1099.6	1103.7
25°	1048.7	1052.8	1058.9	1079.3	1083.3
27.5°	1020.2	1022.2	1034.5	1056.9	1063.0
30°	985.6	993.7	1008.0	1032.4	1040.6
32.5°	953.0	961.2	979.5	1008.0	1016.1
35°	916.4	926.5	951.0	983.6	993.7
37.5°	879.7	889.9	920.4	957.1	967.3
40°	836.9	855.3	889.9	928.6	942.8
42.5°	796.2	816.6	859.3	902.1	918.4
45°	755.5	777.9	826.8	873.6	889.9
47.5°	714.8	739.2	794.2	843.0	857.3
50°	667.9	700.5	761.6	808.4	824.7
52.5°	623.1	661.8	727.0	773.8	786.0
55°	578.3	623.1	692.4	733.1	743.3
57.5°	533.5	584.4	651.6	686.2	692.4
60°	488.7	545.7	612.9	635.3	639.4
62.5°	443.9	509.1	566.1	578.3	576.3
65°	399.1	470.4	519.3	515.2	507.1
67.5°	354.3	429.7	462.3	448.0	441.9
70°	309.5	388.9	403.2	380.8	370.6
72.5°	266.8	346.2	340.1	313.6	303.4
75°	222.0	299.3	274.9	248.4	238.3
77.5°	181.2	248.4	207.7	183.3	177.2
80°	138.5	189.4	148.7	132.4	130.3
82.5°	99.8	126.3	97.7	95.7	95.7
85°	63.1	67.2	61.1	63.1	65.2
87.5°	28.5	30.5	32.6	32.6	34.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)