

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: P189598

Luminaire Tested: **BRG-WG-5L35-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189598
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-5L35-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND
RECTANGULAR PERF INLAY
LIGHT LEVEL 5 (1285 mA)
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

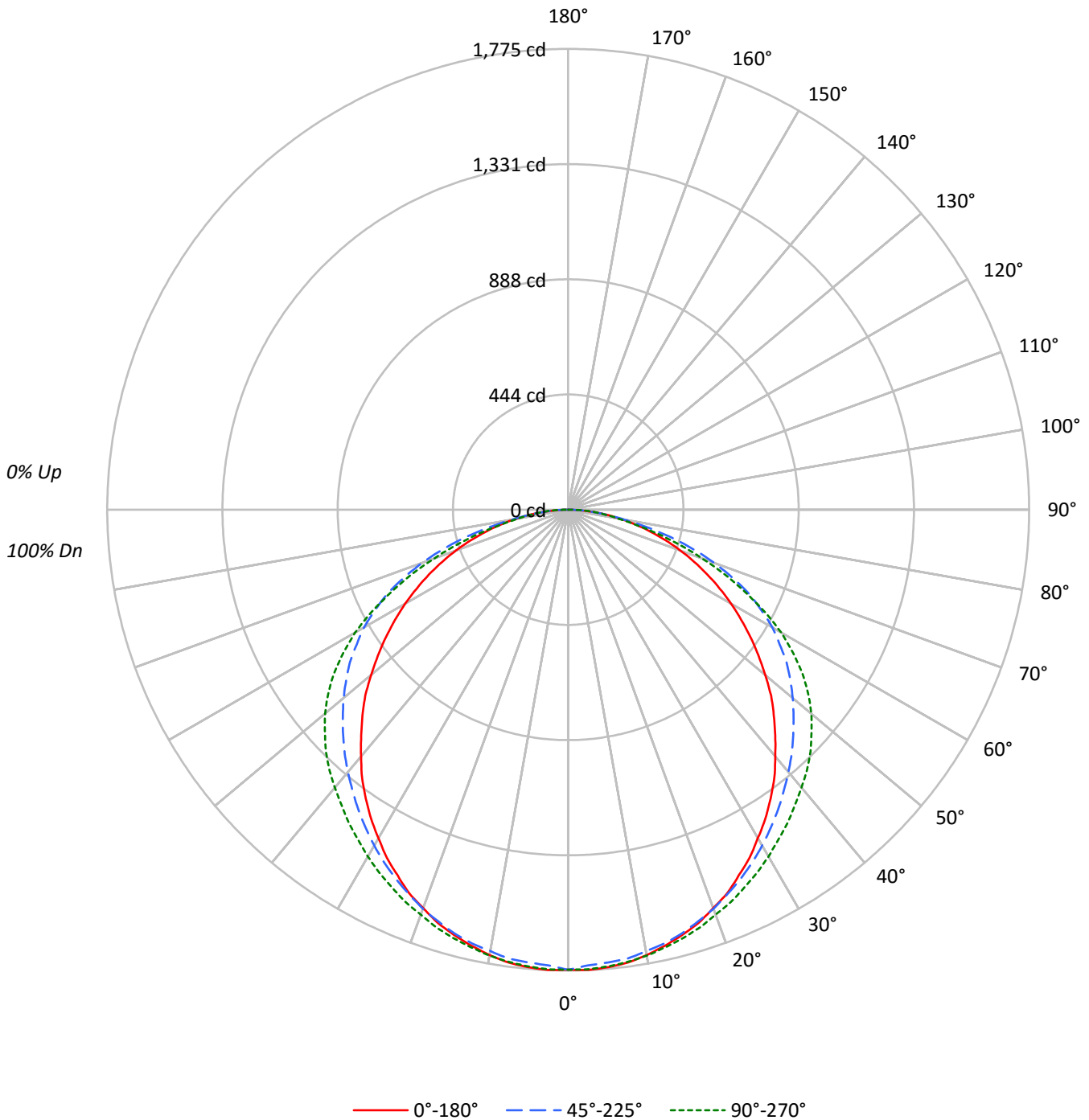
Lumens per Lamp: N/A
Luminaire Lumens: 5336.2 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.4
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 62.5
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	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°	5427	5427	5427
5°	5439	5383	5429
10°	5417	5370	5426
15°	5379	5360	5418
20°	5323	5333	5411
25°	5254	5305	5427
30°	5167	5284	5455
35°	5079	5271	5508
40°	4960	5274	5588
45°	4851	5309	5714
50°	4718	5379	5825
55°	4578	5481	5883
60°	4438	5566	5806
65°	4288	5578	5447
70°	4109	5352	4920
75°	3894	4823	4179
80°	3620	3886	3408
85°	3290	3181	3395



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.5	3.1
10°-20°	479.3	9.0
20°-30°	727.2	13.6
30°-40°	885.0	16.6
40°-50°	944.1	17.7
50°-60°	895.4	16.8
60°-70°	714.8	13.4
70°-80°	411.8	7.7
80°-90°	111.2	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°	1374.0	25.7
0°-40°	2259.0	42.3
0°-60°	4098.5	76.8
0°-90°	5336.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5336.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1772	1772	1772	1772	1772	
5°	1769	1766	1751	1766	1766	168
15°	1696	1696	1690	1708	1708	478
25°	1554	1560	1570	1600	1606	717
35°	1358	1373	1410	1458	1473	849
45°	1120	1153	1225	1295	1319	864
55°	857	924	1026	1087	1102	767
65°	592	697	770	764	752	586
75°	329	444	408	368	353	349
85°	94	100	90	94	97	105
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1771.7	1771.7	1771.7	1771.7	1771.7
2.5°	1774.7	1771.7	1756.6	1771.7	1771.7
5°	1768.7	1765.7	1750.6	1765.7	1765.7
7.5°	1759.6	1756.6	1744.5	1756.6	1756.6
10°	1741.5	1738.5	1726.4	1744.5	1744.5
12.5°	1720.4	1720.4	1711.3	1726.4	1726.4
15°	1696.2	1696.2	1690.2	1708.3	1708.3
17.5°	1669.1	1666.1	1663.0	1684.2	1687.2
20°	1632.9	1632.9	1635.9	1657.0	1660.0
22.5°	1599.7	1599.7	1602.7	1629.8	1635.9
25°	1554.4	1560.4	1569.5	1599.7	1605.7
27.5°	1512.1	1515.1	1533.3	1566.5	1575.5
30°	1460.8	1472.9	1494.0	1530.2	1542.3
32.5°	1412.5	1424.6	1451.8	1494.0	1506.1
35°	1358.2	1373.3	1409.5	1457.8	1472.9
37.5°	1303.9	1319.0	1364.2	1418.6	1433.7
40°	1240.5	1267.7	1319.0	1376.3	1397.4
42.5°	1180.1	1210.3	1273.7	1337.1	1361.2
45°	1119.8	1153.0	1225.4	1294.8	1319.0
47.5°	1059.4	1095.6	1177.1	1249.5	1270.7
50°	990.0	1038.3	1128.8	1198.2	1222.4
52.5°	923.6	980.9	1077.5	1146.9	1165.0
55°	857.2	923.6	1026.2	1086.6	1101.6
57.5°	790.8	866.2	965.8	1017.1	1026.2
60°	724.4	808.9	908.5	941.7	947.7
62.5°	658.0	754.6	839.1	857.2	854.2
65°	591.6	697.2	769.6	763.6	751.5
67.5°	525.2	636.8	685.1	664.0	655.0
70°	458.8	576.5	597.6	564.4	549.3
72.5°	395.4	513.1	504.0	464.8	449.7
75°	329.0	443.7	407.5	368.2	353.1
77.5°	268.6	368.2	307.9	271.6	262.6
80°	205.2	280.7	220.3	196.2	193.2
82.5°	147.9	187.1	144.9	141.9	141.9
85°	93.6	99.6	90.5	93.6	96.6
87.5°	42.3	45.3	48.3	48.3	51.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)