

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: P189613

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189613  
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-5L35-LD2-UNV-14-STD  
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND ROUND PERF INLAY  
LIGHT LEVEL 5 (1285 mA)  
Light Source: (308) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

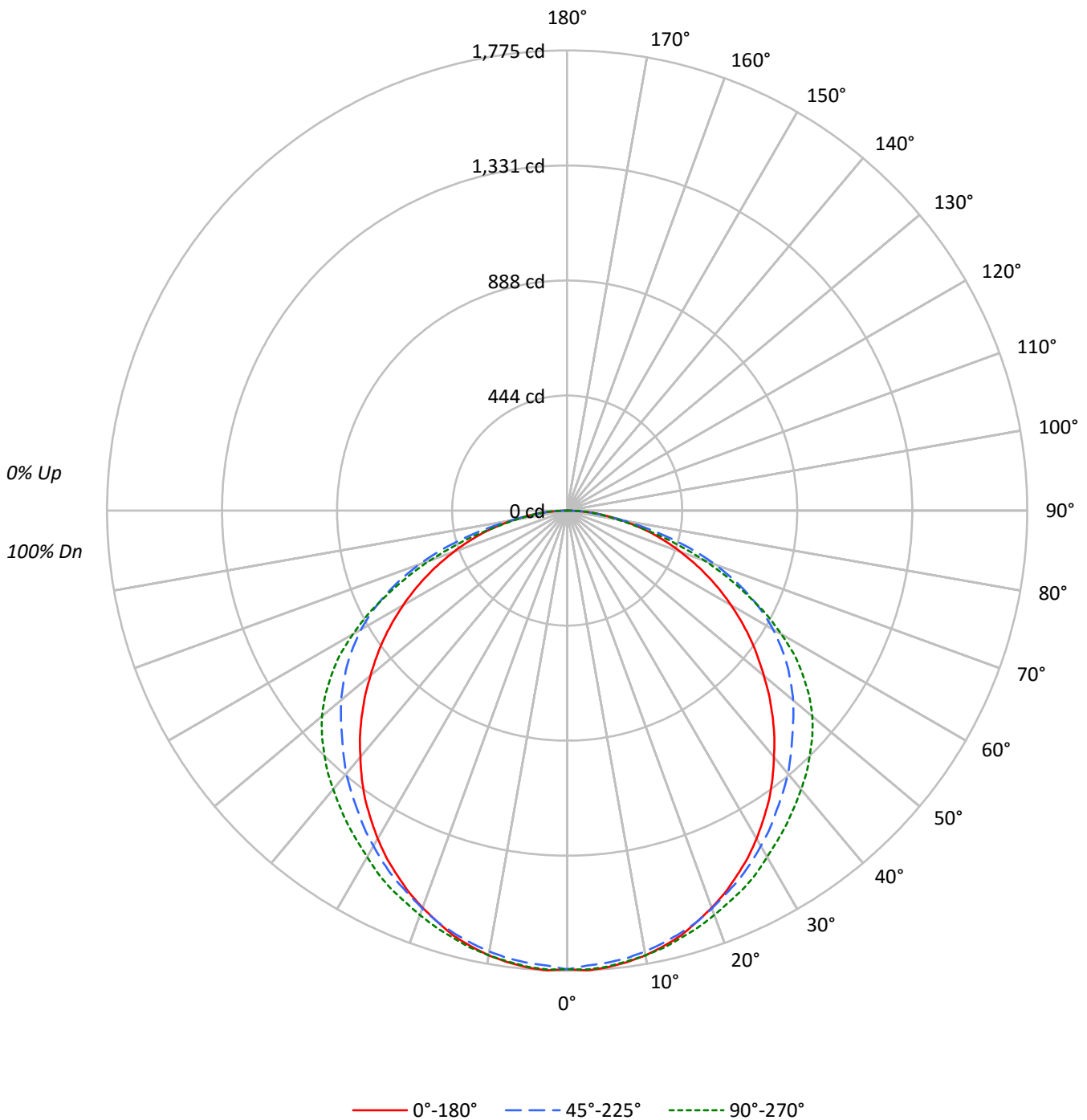
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5366.4 lumens  
Efficiency: N/A  
Efficacy: 85.9 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): 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	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°	5419	5419	5419
5°	5440	5384	5431
10°	5418	5372	5418
15°	5381	5352	5409
20°	5314	5324	5413
25°	5245	5306	5439
30°	5168	5286	5457
35°	5080	5272	5521
40°	4962	5300	5613
45°	4852	5323	5741
50°	4719	5424	5885
55°	4611	5530	5933
60°	4476	5623	5845
65°	4333	5624	5536
70°	4164	5435	5056
75°	4002	4860	4288
80°	3727	3888	3461
85°	3395	3184	3290



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.4	3.1
10°-20°	478.9	8.9
20°-30°	726.8	13.5
30°-40°	885.8	16.5
40°-50°	948.2	17.7
50°-60°	904.1	16.8
60°-70°	723.6	13.5
70°-80°	419.1	7.8
80°-90°	112.5	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°	1373.1	25.6
0°-40°	2258.9	42.1
0°-60°	4111.2	76.6
0°-90°	5366.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5366.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1769	1769	1769	1769	1769	
5°	1769	1766	1751	1766	1766	168
15°	1697	1694	1688	1706	1706	478
25°	1552	1558	1570	1600	1609	715
35°	1358	1371	1410	1458	1476	849
45°	1120	1156	1229	1304	1325	864
55°	863	933	1036	1099	1111	771
65°	598	703	776	773	764	592
75°	338	450	411	374	362	356
85°	97	103	91	94	94	108
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1769.1	1769.1	1769.1	1769.1	1769.1
2.5°	1775.2	1772.1	1757.0	1769.1	1772.1
5°	1769.1	1766.1	1751.0	1766.1	1766.1
7.5°	1757.0	1754.0	1742.0	1757.0	1754.0
10°	1742.0	1738.9	1726.9	1742.0	1742.0
12.5°	1720.8	1717.8	1708.7	1726.9	1726.9
15°	1696.7	1693.6	1687.6	1705.7	1705.7
17.5°	1663.5	1663.5	1663.5	1681.6	1684.6
20°	1630.2	1633.3	1633.3	1657.4	1660.4
22.5°	1594.0	1597.0	1600.1	1630.2	1633.3
25°	1551.8	1557.8	1569.9	1600.1	1609.1
27.5°	1509.5	1515.5	1533.6	1566.9	1578.9
30°	1461.2	1467.2	1494.4	1530.6	1542.7
32.5°	1409.9	1421.9	1455.1	1494.4	1509.5
35°	1358.5	1370.6	1409.9	1458.2	1476.3
37.5°	1301.2	1319.3	1367.6	1421.9	1440.1
40°	1240.8	1268.0	1325.3	1385.7	1403.8
42.5°	1183.4	1210.6	1277.0	1343.4	1367.6
45°	1120.0	1156.3	1228.7	1304.2	1325.3
47.5°	1056.6	1098.9	1183.4	1258.9	1283.1
50°	990.2	1044.6	1138.2	1210.6	1234.8
52.5°	926.8	987.2	1086.8	1156.3	1177.4
55°	863.4	932.9	1035.5	1098.9	1111.0
57.5°	797.0	875.5	978.1	1032.5	1041.5
60°	730.6	818.1	917.8	954.0	954.0
62.5°	664.2	760.8	851.4	869.5	866.4
65°	597.8	703.4	775.9	772.9	763.8
67.5°	531.3	646.1	694.4	673.2	664.2
70°	464.9	582.7	606.8	573.6	564.5
72.5°	401.5	522.3	513.2	474.0	458.9
75°	338.1	449.8	410.6	374.4	362.3
77.5°	271.7	377.4	314.0	277.7	265.7
80°	211.3	289.8	220.4	199.3	196.2
82.5°	150.9	190.2	144.9	141.9	141.9
85°	96.6	102.6	90.6	93.6	93.6
87.5°	42.3	45.3	48.3	51.3	51.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)