

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: P189632

Luminaire Tested: **BRG-WN-4L40-LD2-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189632  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34885)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: BRG-WN-4L40-LD2-UNV-14-STD  
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND NANO PRISM INLAY  
LIGHT LEVEL 4 (1100 mA)  
Light Source: (308) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

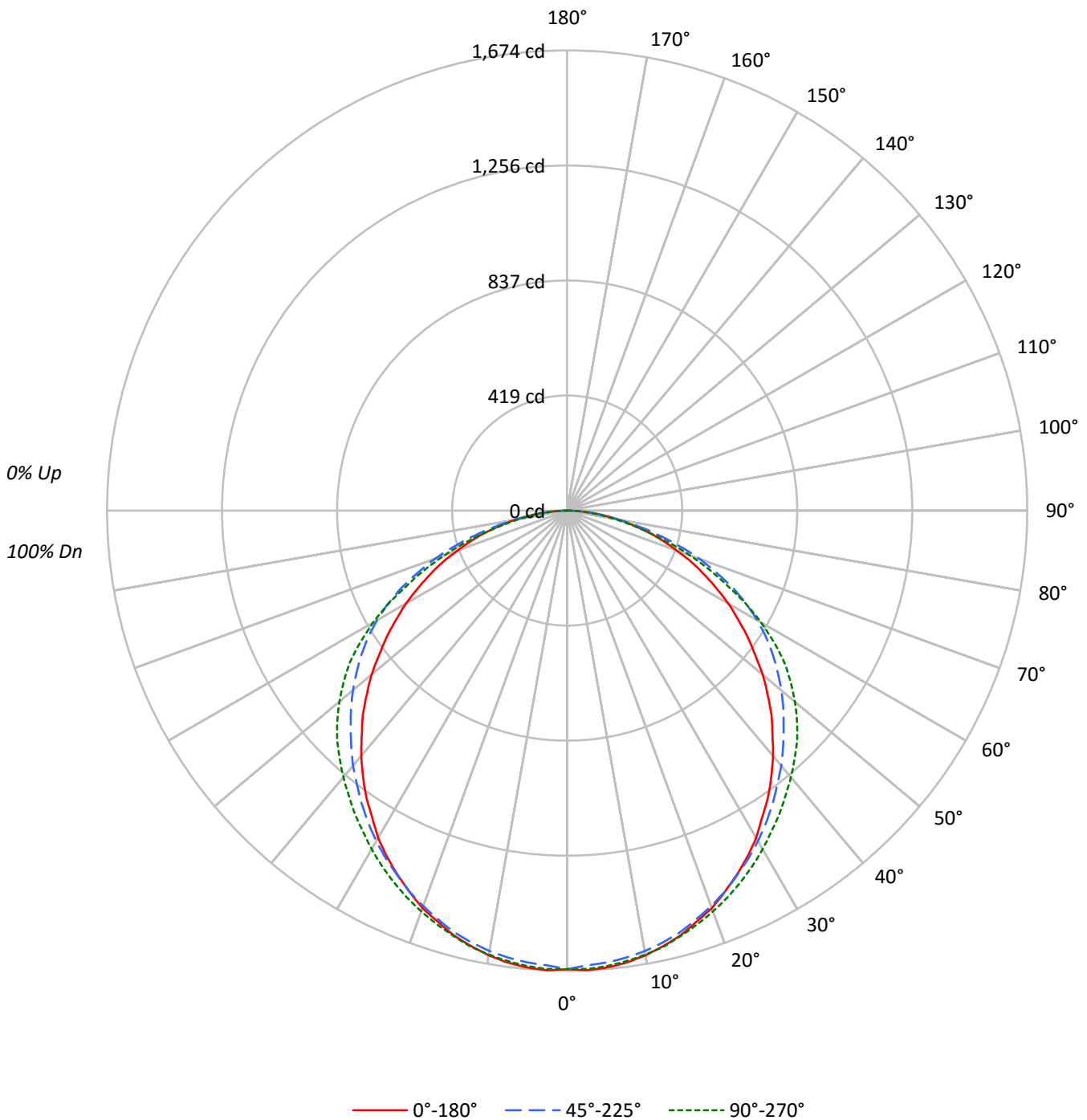
Lumens per Lamp: N/A  
Luminaire Lumens: 4847.0 lumens  
Efficiency: N/A  
Efficacy: 96.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38  
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')  
CIE Type: Direct

Input Watts (W): 50.2  
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	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

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

	0°	45°	90°
0°	5111	5111	5111
5°	5131	5075	5115
10°	5109	5061	5101
15°	5069	5036	5078
20°	5016	4991	5059
25°	4938	4947	5043
30°	4865	4911	5030
35°	4765	4871	5036
40°	4659	4846	5064
45°	4553	4822	5126
50°	4427	4848	5157
55°	4283	4878	5155
60°	4149	4897	4992
65°	3987	4815	4646
70°	3789	4578	4253
75°	3624	4084	3624
80°	3387	3341	3068
85°	3100	2647	2647



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.8	3.3
10°-20°	450.3	9.3
20°-30°	678.7	14.0
30°-40°	818.3	16.9
40°-50°	861.3	17.8
50°-60°	802.6	16.6
60°-70°	626.4	12.9
70°-80°	358.1	7.4
80°-90°	93.6	1.9
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°	1286.8	26.5
0°-40°	2105.1	43.4
0°-60°	3768.9	77.8
0°-90°	4847.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4847.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1669	1669	1669	1669	1669	
5°	1669	1663	1650	1663	1663	158
15°	1598	1596	1588	1604	1601	450
25°	1461	1461	1464	1487	1492	673
35°	1274	1282	1303	1336	1347	796
45°	1051	1072	1113	1165	1183	809
55°	802	846	913	955	965	716
65°	550	620	664	654	641	545
75°	306	387	345	317	306	323
85°	88	86	75	73	75	97
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1668.6	1668.6	1668.6	1668.6	1668.6
2.5°	1673.8	1671.2	1655.6	1671.2	1668.6
5°	1668.6	1663.4	1650.4	1663.4	1663.4
7.5°	1658.2	1653.0	1640.0	1655.6	1653.0
10°	1642.6	1640.0	1627.1	1640.0	1640.0
12.5°	1621.9	1619.3	1608.9	1621.9	1624.5
15°	1598.5	1595.9	1588.1	1603.7	1601.1
17.5°	1567.4	1567.4	1559.6	1577.8	1577.8
20°	1538.8	1536.2	1531.0	1549.2	1551.8
22.5°	1499.9	1497.3	1499.9	1520.7	1523.3
25°	1461.0	1461.0	1463.6	1486.9	1492.1
27.5°	1419.5	1422.1	1427.2	1453.2	1458.4
30°	1375.3	1377.9	1388.3	1414.3	1422.1
32.5°	1320.8	1331.2	1346.8	1375.3	1383.1
35°	1274.1	1281.9	1302.7	1336.4	1346.8
37.5°	1219.6	1230.0	1256.0	1294.9	1305.3
40°	1165.1	1178.1	1211.9	1250.8	1266.4
42.5°	1105.5	1126.2	1162.6	1206.7	1224.8
45°	1051.0	1071.7	1113.2	1165.1	1183.3
47.5°	988.7	1014.6	1066.5	1115.8	1134.0
50°	929.0	957.6	1017.2	1066.5	1082.1
52.5°	861.5	903.1	965.3	1012.0	1025.0
55°	801.9	846.0	913.4	955.0	965.3
57.5°	737.0	791.5	858.9	890.1	892.7
60°	677.3	737.0	799.3	814.8	814.8
62.5°	612.4	679.9	734.4	737.0	731.8
65°	550.1	620.2	664.3	653.9	641.0
67.5°	490.5	565.7	586.5	568.3	557.9
70°	423.0	508.6	511.2	482.7	474.9
72.5°	365.9	446.3	428.2	397.0	389.2
75°	306.2	386.7	345.1	316.6	306.2
77.5°	243.9	316.6	267.3	238.7	236.1
80°	192.0	238.7	189.4	171.3	173.9
82.5°	134.9	158.3	124.6	122.0	122.0
85°	88.2	85.6	75.3	72.7	75.3
87.5°	38.9	36.3	33.7	31.1	31.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)