

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: P189627

Luminaire Tested: **BRG-WN-4L35-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189627
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-4L35-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) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

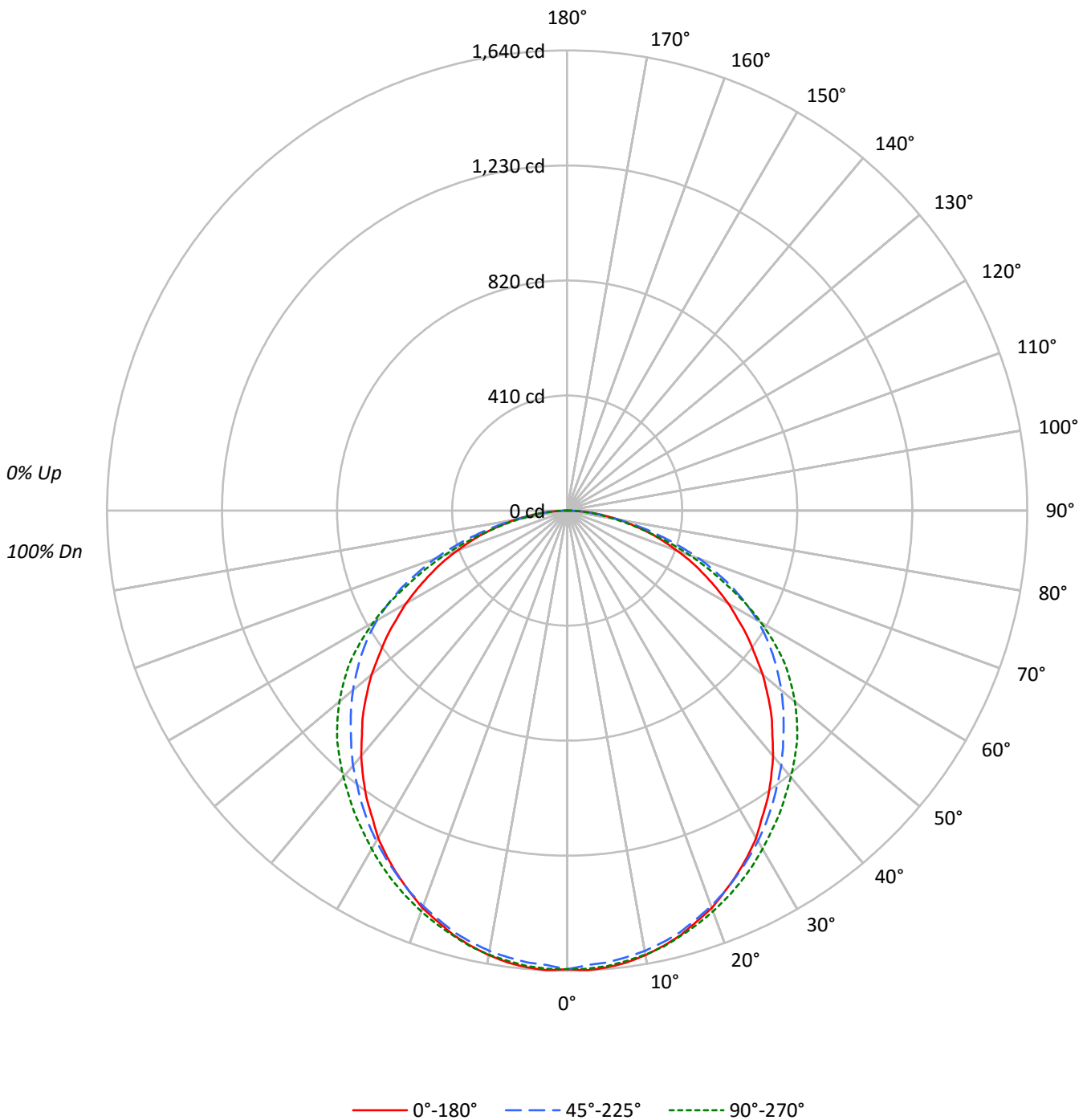
Lumens per Lamp: N/A
Luminaire Lumens: 4747.6 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

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°	5007	5007	5007
5°	5026	4971	5010
10°	5005	4957	4997
15°	4965	4933	4974
20°	4914	4889	4955
25°	4837	4845	4940
30°	4765	4810	4927
35°	4667	4772	4933
40°	4564	4747	4960
45°	4459	4724	5021
50°	4337	4748	5051
55°	4195	4778	5050
60°	4064	4796	4890
65°	3906	4716	4550
70°	3711	4484	4166
75°	3549	4002	3549
80°	3318	3274	3004
85°	3037	2590	2590



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.6	3.3
10°-20°	441.0	9.3
20°-30°	664.8	14.0
30°-40°	801.5	16.9
40°-50°	843.6	17.8
50°-60°	786.1	16.6
60°-70°	613.6	12.9
70°-80°	350.8	7.4
80°-90°	91.7	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°	1260.4	26.5
0°-40°	2061.9	43.4
0°-60°	3691.6	77.8
0°-90°	4747.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4747.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1634	1634	1634	1634	1634	
5°	1634	1629	1617	1629	1629	155
15°	1566	1563	1556	1571	1568	441
25°	1431	1431	1434	1456	1462	659
35°	1248	1256	1276	1309	1319	780
45°	1029	1050	1090	1141	1159	793
55°	785	829	895	935	946	702
65°	539	608	651	640	628	534
75°	300	379	338	310	300	316
85°	86	84	74	71	74	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1634.4	1634.4	1634.4	1634.4	1634.4
2.5°	1639.5	1636.9	1621.7	1636.9	1634.4
5°	1634.4	1629.3	1616.6	1629.3	1629.3
7.5°	1624.2	1619.1	1606.4	1621.7	1619.1
10°	1609.0	1606.4	1593.7	1606.4	1606.4
12.5°	1588.6	1586.1	1575.9	1588.6	1591.2
15°	1565.7	1563.2	1555.6	1570.8	1568.3
17.5°	1535.2	1535.2	1527.6	1545.4	1545.4
20°	1507.3	1504.7	1499.7	1517.5	1520.0
22.5°	1469.2	1466.6	1469.2	1489.5	1492.0
25°	1431.0	1431.0	1433.6	1456.4	1461.5
27.5°	1390.4	1392.9	1398.0	1423.4	1428.5
30°	1347.1	1349.7	1359.9	1385.3	1392.9
32.5°	1293.8	1303.9	1319.2	1347.1	1354.8
35°	1248.0	1255.6	1276.0	1309.0	1319.2
37.5°	1194.6	1204.8	1230.2	1268.4	1278.5
40°	1141.3	1154.0	1187.0	1225.1	1240.4
42.5°	1082.8	1103.1	1138.7	1181.9	1199.7
45°	1029.4	1049.8	1090.4	1141.3	1159.1
47.5°	968.4	993.8	1044.7	1093.0	1110.8
50°	910.0	937.9	996.4	1044.7	1059.9
52.5°	843.9	884.5	945.5	991.3	1004.0
55°	785.4	828.6	894.7	935.4	945.5
57.5°	721.9	775.2	841.3	871.8	874.4
60°	663.4	721.9	782.9	798.1	798.1
62.5°	599.9	665.9	719.3	721.9	716.8
65°	538.9	607.5	650.7	640.5	627.8
67.5°	480.4	554.1	574.4	556.7	546.5
70°	414.3	498.2	500.7	472.8	465.1
72.5°	358.4	437.2	419.4	388.9	381.3
75°	299.9	378.7	338.1	310.1	299.9
77.5°	238.9	310.1	261.8	233.8	231.3
80°	188.1	233.8	185.6	167.8	170.3
82.5°	132.2	155.0	122.0	119.5	119.5
85°	86.4	83.9	73.7	71.2	73.7
87.5°	38.1	35.6	33.0	30.5	30.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)