

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: P189623

Luminaire Tested: **BRG-WN-5L30-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189623
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-5L30-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND NANO PRISM INLAY
LIGHT LEVEL 5 (1285 mA)
Light Source: (308) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

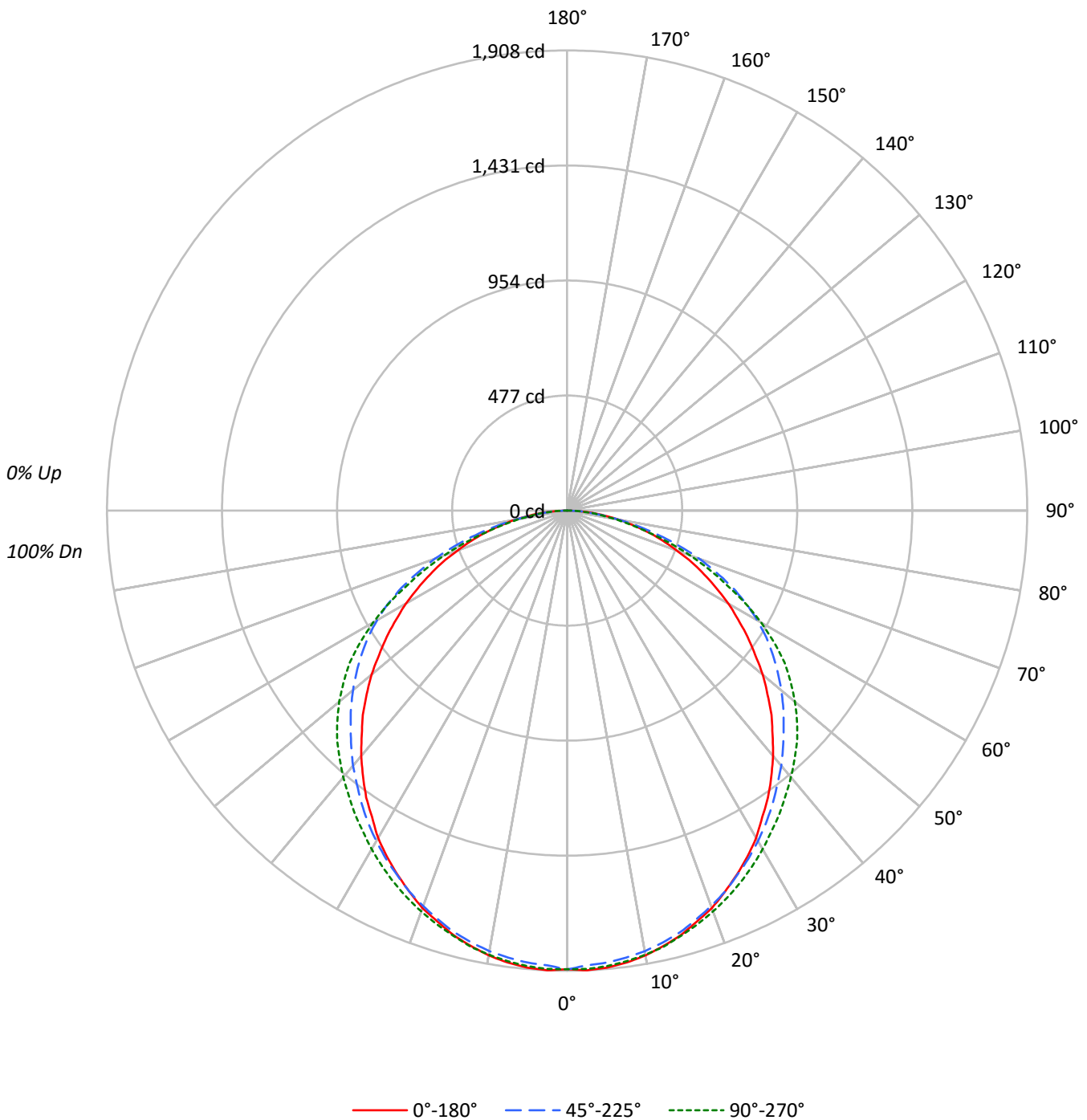
Lumens per Lamp: N/A
Luminaire Lumens: 5525.2 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	5826	5826	5826
5°	5849	5785	5830
10°	5824	5769	5815
15°	5779	5741	5788
20°	5718	5689	5766
25°	5629	5639	5749
30°	5546	5598	5734
35°	5431	5553	5741
40°	5311	5524	5772
45°	5190	5497	5844
50°	5047	5526	5878
55°	4881	5561	5877
60°	4730	5582	5690
65°	4545	5489	5296
70°	4319	5219	4848
75°	4132	4656	4132
80°	3862	3809	3496
85°	3536	3016	3016



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.9	3.3
10°-20°	513.3	9.3
20°-30°	773.7	14.0
30°-40°	932.8	16.9
40°-50°	981.8	17.8
50°-60°	914.9	16.6
60°-70°	714.0	12.9
70°-80°	408.2	7.4
80°-90°	106.7	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°	1466.8	26.5
0°-40°	2399.6	43.4
0°-60°	4296.2	77.8
0°-90°	5525.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5525.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1902	1902	1902	1902	1902	
5°	1902	1896	1881	1896	1896	181
15°	1822	1819	1810	1828	1825	514
25°	1665	1665	1668	1695	1701	767
35°	1452	1461	1485	1523	1535	907
45°	1198	1222	1269	1328	1349	922
55°	914	964	1041	1089	1100	817
65°	627	707	757	745	731	621
75°	349	441	393	361	349	368
85°	101	98	86	83	86	111
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1902.0	1902.0	1902.0	1902.0	1902.0
2.5°	1908.0	1905.0	1887.3	1905.0	1902.0
5°	1902.0	1896.1	1881.3	1896.1	1896.1
7.5°	1890.2	1884.3	1869.5	1887.3	1884.3
10°	1872.5	1869.5	1854.7	1869.5	1869.5
12.5°	1848.8	1845.8	1834.0	1848.8	1851.8
15°	1822.2	1819.2	1810.3	1828.1	1825.1
17.5°	1786.7	1786.7	1777.8	1798.5	1798.5
20°	1754.1	1751.2	1745.3	1766.0	1768.9
22.5°	1709.8	1706.8	1709.8	1733.4	1736.4
25°	1665.4	1665.4	1668.4	1695.0	1700.9
27.5°	1618.1	1621.0	1626.9	1656.5	1662.4
30°	1567.8	1570.7	1582.6	1612.2	1621.0
32.5°	1505.7	1517.5	1535.2	1567.8	1576.7
35°	1452.4	1461.3	1485.0	1523.4	1535.2
37.5°	1390.3	1402.1	1431.7	1476.1	1487.9
40°	1328.2	1343.0	1381.4	1425.8	1443.5
42.5°	1260.1	1283.8	1325.2	1375.5	1396.2
45°	1198.0	1221.7	1269.0	1328.2	1348.9
47.5°	1127.0	1156.6	1215.8	1272.0	1292.7
50°	1059.0	1091.5	1159.6	1215.8	1233.5
52.5°	982.1	1029.4	1100.4	1153.7	1168.4
55°	914.0	964.3	1041.2	1088.6	1100.4
57.5°	840.1	902.2	979.1	1014.6	1017.6
60°	772.1	840.1	911.1	928.8	928.8
62.5°	698.1	775.0	837.1	840.1	834.2
65°	627.1	707.0	757.3	745.4	730.6
67.5°	559.1	644.9	668.5	647.8	636.0
70°	482.2	579.8	582.7	550.2	541.3
72.5°	417.1	508.8	488.1	452.6	443.7
75°	349.1	440.8	393.4	360.9	349.1
77.5°	278.1	360.9	304.7	272.1	269.2
80°	218.9	272.1	215.9	195.2	198.2
82.5°	153.8	180.4	142.0	139.0	139.0
85°	100.6	97.6	85.8	82.8	85.8
87.5°	44.4	41.4	38.5	35.5	35.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)