

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: P189578

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34878)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WS-5L30-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 5 (1285 mA)
Light Source: (308) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

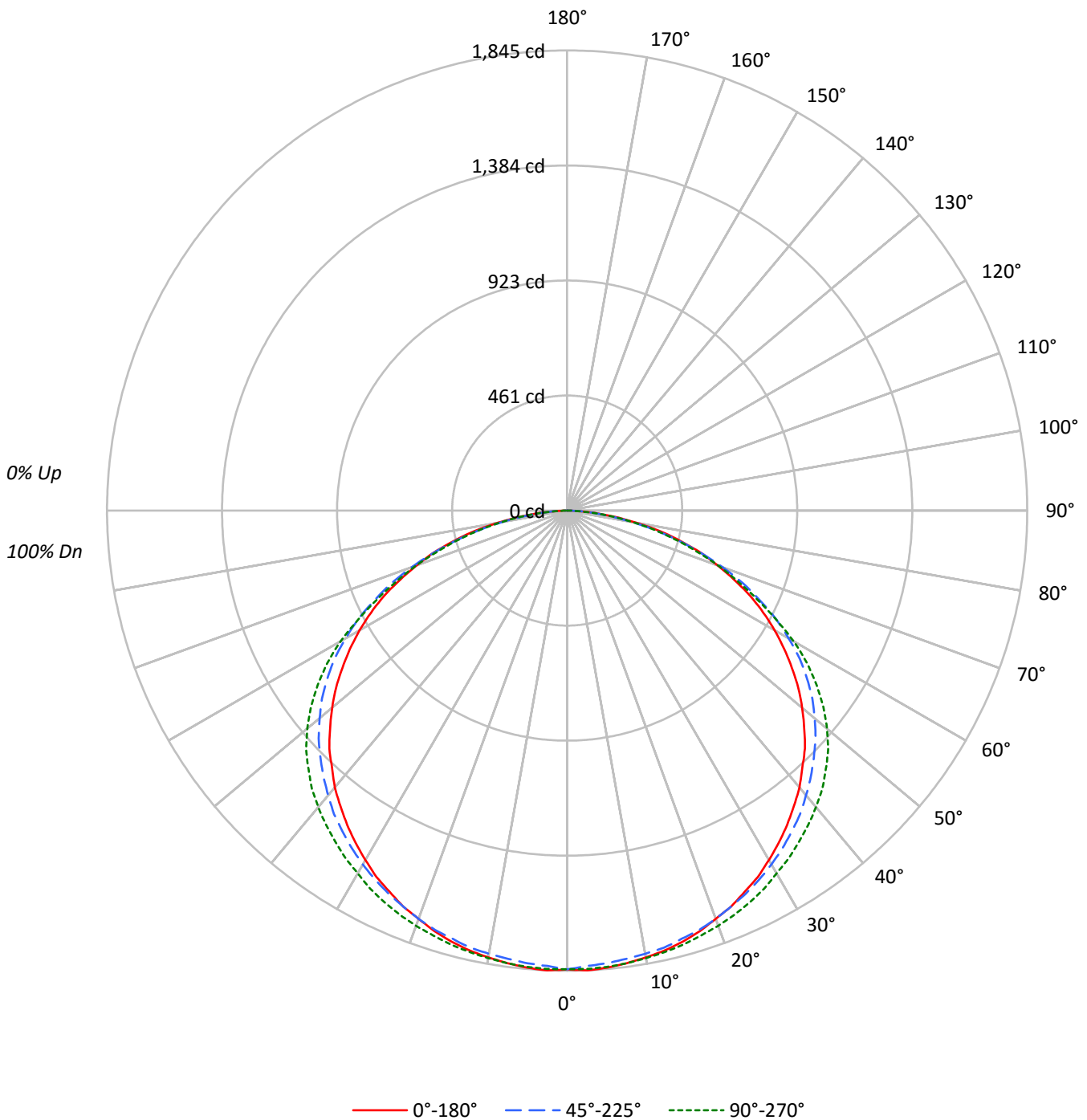
Lumens per Lamp: N/A
Luminaire Lumens: 6028.0 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.36 / 1.47
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

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	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56
4	81	68	59	52	79	67	59	52	65	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	27	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5635	5635	5635
5°	5656	5602	5647
10°	5657	5611	5666
15°	5674	5636	5712
20°	5678	5678	5774
25°	5697	5727	5857
30°	5722	5795	5941
35°	5751	5872	6060
40°	5794	5960	6208
45°	5842	6060	6354
50°	5863	6173	6483
55°	5875	6270	6522
60°	5888	6287	6432
65°	5873	6194	6088
70°	5747	5933	5774
75°	5565	5425	5320
80°	5008	4643	4696
85°	3951	3532	3325



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.4	2.9
10°-20°	505.9	8.4
20°-30°	786.5	13.0
30°-40°	987.2	16.4
40°-50°	1083.1	18.0
50°-60°	1042.1	17.3
60°-70°	831.2	13.8
70°-80°	493.1	8.2
80°-90°	124.5	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°	1466.8	24.3
0°-40°	2454.1	40.7
0°-60°	4579.2	76.0
0°-90°	6028.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6028.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1839	1839	1839	1839	1839	
5°	1839	1836	1822	1836	1836	175
15°	1789	1786	1777	1798	1801	505
25°	1686	1689	1694	1724	1733	778
35°	1538	1544	1570	1609	1621	963
45°	1348	1360	1399	1449	1467	1038
55°	1100	1127	1174	1210	1221	984
65°	810	843	855	843	840	798
75°	470	506	458	450	450	495
85°	112	106	100	95	95	133
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1839.4	1839.4	1839.4	1839.4	1839.4
2.5°	1845.3	1842.4	1827.6	1842.4	1839.4
5°	1839.4	1836.4	1821.7	1836.4	1836.4
7.5°	1830.5	1827.6	1812.8	1830.5	1830.5
10°	1818.7	1815.7	1803.9	1821.7	1821.7
12.5°	1806.9	1803.9	1795.0	1812.8	1812.8
15°	1789.1	1786.2	1777.3	1798.0	1801.0
17.5°	1768.4	1765.5	1762.5	1786.2	1786.2
20°	1741.8	1741.8	1741.8	1768.4	1771.4
22.5°	1718.2	1718.2	1718.2	1747.7	1753.6
25°	1685.6	1688.6	1694.5	1724.1	1732.9
27.5°	1656.0	1656.0	1667.9	1700.4	1709.3
30°	1617.6	1623.5	1638.3	1670.8	1679.7
32.5°	1579.2	1588.0	1605.8	1641.3	1653.1
35°	1537.8	1543.7	1570.3	1608.7	1620.6
37.5°	1493.4	1502.3	1534.8	1576.2	1588.0
40°	1449.0	1457.9	1490.4	1537.8	1552.5
42.5°	1395.8	1410.6	1446.1	1493.4	1514.1
45°	1348.5	1360.3	1398.8	1449.0	1466.8
47.5°	1289.4	1307.1	1351.5	1398.8	1419.5
50°	1230.2	1250.9	1295.3	1345.5	1360.3
52.5°	1168.1	1191.8	1239.1	1280.5	1295.3
55°	1100.1	1126.7	1174.0	1209.5	1221.3
57.5°	1032.1	1064.6	1106.0	1129.7	1141.5
60°	961.1	990.7	1026.2	1043.9	1049.8
62.5°	887.2	916.7	946.3	943.4	943.4
65°	810.3	842.8	854.6	842.8	839.9
67.5°	724.5	763.0	763.0	742.3	739.3
70°	641.7	680.2	662.4	641.7	644.7
72.5°	561.9	597.4	558.9	541.2	544.1
75°	470.2	505.7	458.4	449.5	449.5
77.5°	381.5	405.1	360.8	354.9	357.8
80°	283.9	304.6	263.2	260.2	266.2
82.5°	192.2	198.1	174.5	177.4	183.3
85°	112.4	106.5	100.5	94.6	94.6
87.5°	41.4	41.4	32.5	29.6	26.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)