

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: P189588

Luminaire Tested: **BRG-WS-5L40-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189588
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-5L40-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 5 (1285 mA)
Light Source: (308) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6279.9 lumens
Efficiency: N/A
Efficacy: 100.5 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

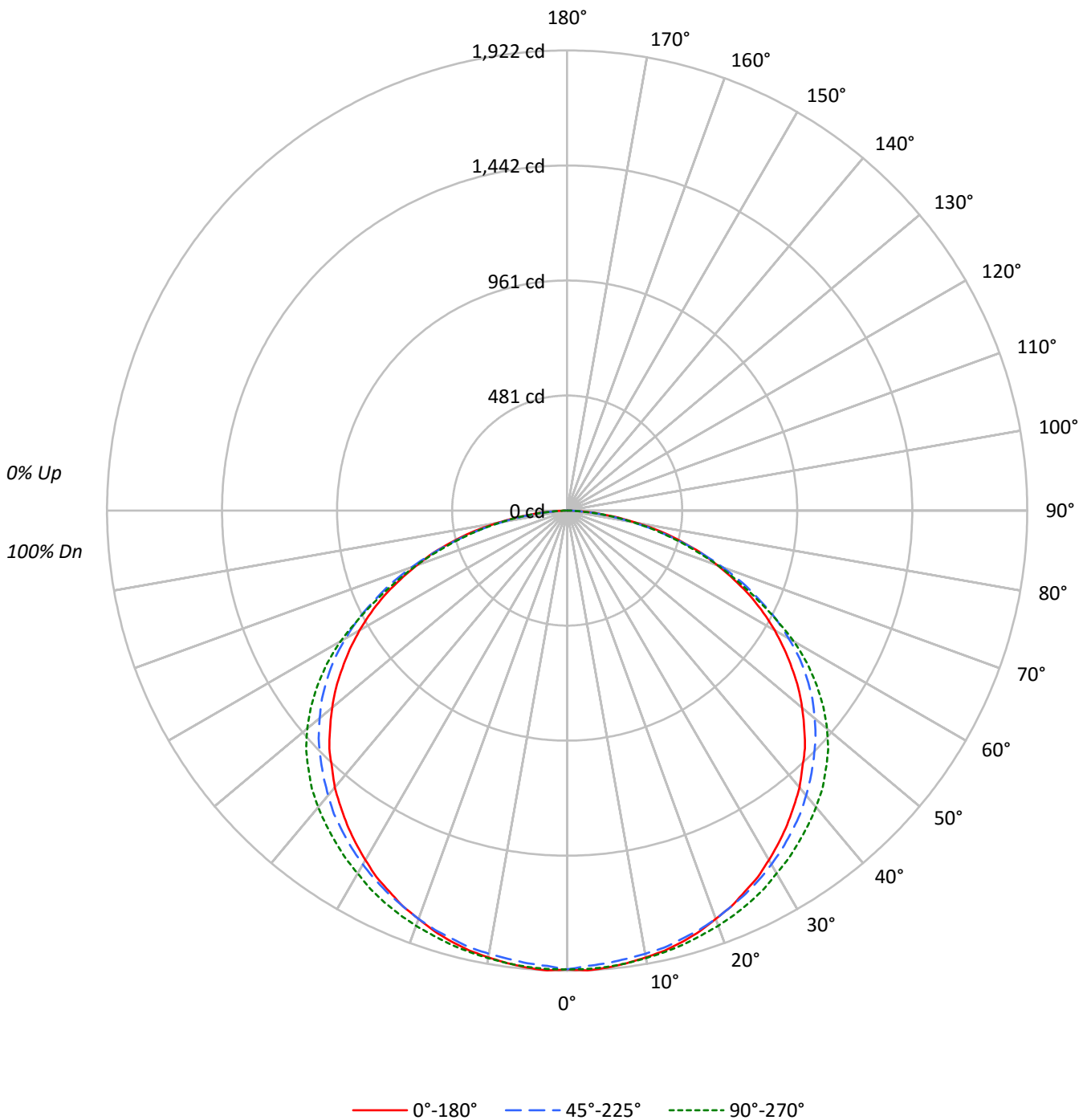
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5870	5870	5870
5°	5893	5836	5883
10°	5893	5846	5903
15°	5911	5872	5950
20°	5915	5915	6016
25°	5935	5967	6102
30°	5961	6037	6190
35°	5991	6118	6313
40°	6037	6209	6468
45°	6086	6313	6620
50°	6108	6431	6754
55°	6121	6532	6795
60°	6134	6549	6701
65°	6118	6453	6342
70°	5987	6181	6015
75°	5797	5651	5543
80°	5218	4837	4892
85°	4116	3680	3465



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.7	2.9
10°-20°	527.0	8.4
20°-30°	819.4	13.0
30°-40°	1028.5	16.4
40°-50°	1128.3	18.0
50°-60°	1085.7	17.3
60°-70°	865.9	13.8
70°-80°	513.7	8.2
80°-90°	129.7	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°	1528.1	24.3
0°-40°	2556.6	40.7
0°-60°	4770.6	76.0
0°-90°	6279.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6279.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1916	1916	1916	1916	1916	
5°	1916	1913	1898	1913	1913	182
15°	1864	1861	1852	1873	1876	526
25°	1756	1759	1765	1796	1805	811
35°	1602	1608	1636	1676	1688	1003
45°	1405	1417	1457	1510	1528	1081
55°	1146	1174	1223	1260	1272	1025
65°	844	878	890	878	875	831
75°	490	527	478	468	468	516
85°	117	111	105	99	99	138
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1916.3	1916.3	1916.3	1916.3	1916.3
2.5°	1922.4	1919.3	1903.9	1919.3	1916.3
5°	1916.3	1913.2	1897.8	1913.2	1913.2
7.5°	1907.0	1903.9	1888.5	1907.0	1907.0
10°	1894.7	1891.6	1879.3	1897.8	1897.8
12.5°	1882.4	1879.3	1870.0	1888.5	1888.5
15°	1863.9	1860.8	1851.6	1873.1	1876.2
17.5°	1842.3	1839.2	1836.2	1860.8	1860.8
20°	1814.6	1814.6	1814.6	1842.3	1845.4
22.5°	1789.9	1789.9	1789.9	1820.7	1826.9
25°	1756.1	1759.1	1765.3	1796.1	1805.3
27.5°	1725.2	1725.2	1737.6	1771.5	1780.7
30°	1685.2	1691.4	1706.8	1740.6	1749.9
32.5°	1645.1	1654.4	1672.9	1709.8	1722.2
35°	1602.0	1608.2	1635.9	1676.0	1688.3
37.5°	1555.8	1565.0	1598.9	1642.1	1654.4
40°	1509.6	1518.8	1552.7	1602.0	1617.4
42.5°	1454.1	1469.5	1506.5	1555.8	1577.4
45°	1404.8	1417.2	1457.2	1509.6	1528.1
47.5°	1343.2	1361.7	1407.9	1457.2	1478.8
50°	1281.6	1303.2	1349.4	1401.8	1417.2
52.5°	1216.9	1241.6	1290.9	1334.0	1349.4
55°	1146.1	1173.8	1223.1	1260.0	1272.4
57.5°	1075.2	1109.1	1152.2	1176.9	1189.2
60°	1001.3	1032.1	1069.0	1087.5	1093.7
62.5°	924.2	955.0	985.9	982.8	982.8
65°	844.1	878.0	890.3	878.0	874.9
67.5°	754.8	794.8	794.8	773.3	770.2
70°	668.5	708.6	690.1	668.5	671.6
72.5°	585.4	622.3	582.3	563.8	566.9
75°	489.8	526.8	477.5	468.3	468.3
77.5°	397.4	422.1	375.9	369.7	372.8
80°	295.8	317.3	274.2	271.1	277.3
82.5°	200.3	206.4	181.8	184.8	191.0
85°	117.1	110.9	104.7	98.6	98.6
87.5°	43.1	43.1	33.9	30.8	27.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)