

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: P189628

Luminaire Tested: **BRG-WN-5L35-LD2-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189628  
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-5L35-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) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

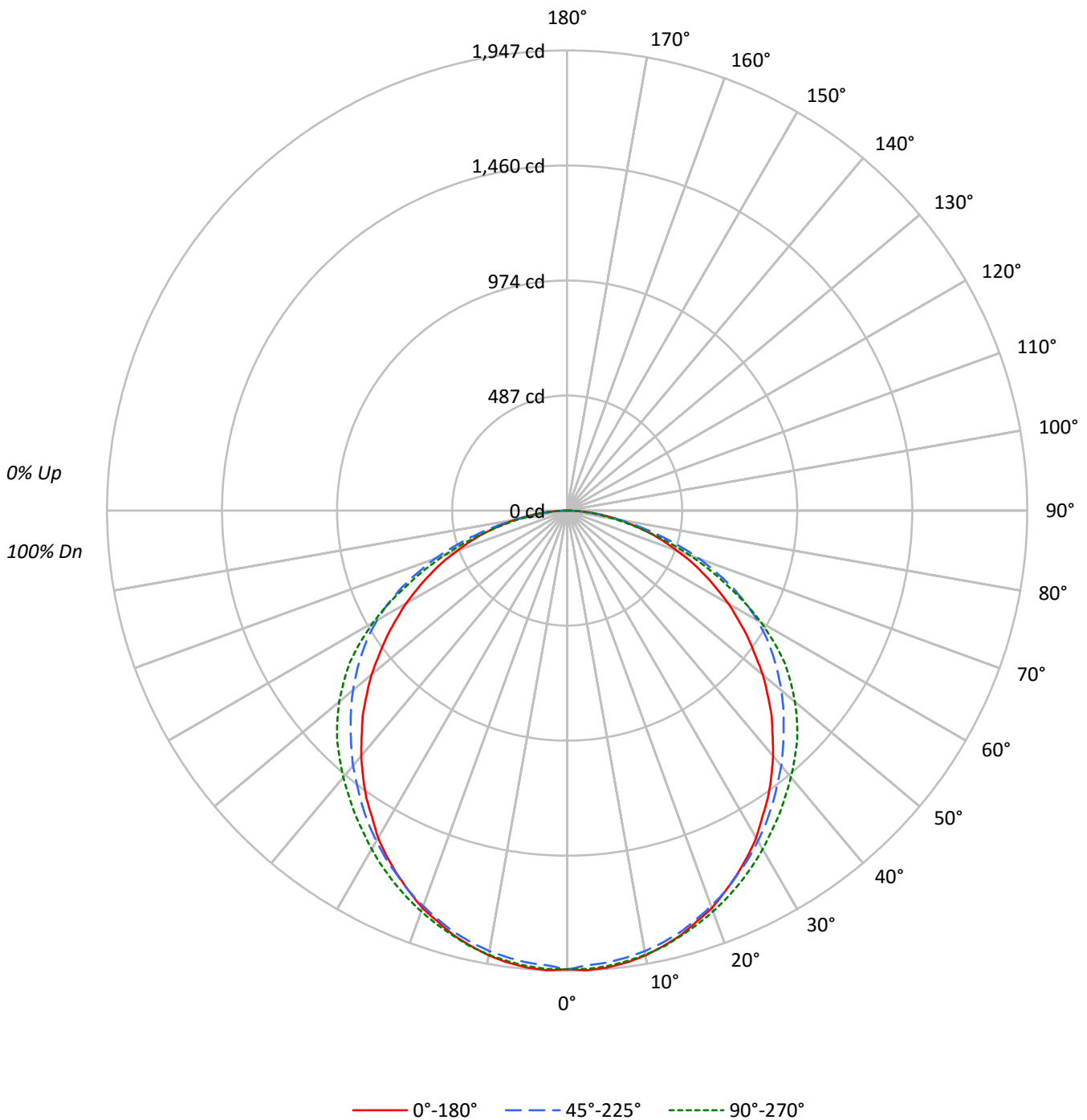
Lumens per Lamp: N/A  
Luminaire Lumens: 5638.0 lumens  
Efficiency: N/A  
Efficacy: 90.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38  
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')  
CIE Type: Direct

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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				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°	5945	5945	5945
5°	5968	5903	5950
10°	5943	5887	5934
15°	5897	5858	5906
20°	5835	5805	5884
25°	5744	5754	5866
30°	5659	5712	5851
35°	5542	5667	5858
40°	5420	5637	5890
45°	5296	5610	5963
50°	5150	5639	5998
55°	4981	5674	5997
60°	4826	5696	5807
65°	4638	5601	5404
70°	4407	5325	4947
75°	4216	4752	4216
80°	3941	3888	3567
85°	3606	3075	3075



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.5	3.3
10°-20°	523.7	9.3
20°-30°	789.5	14.0
30°-40°	951.8	16.9
40°-50°	1001.8	17.8
50°-60°	933.5	16.6
60°-70°	728.6	12.9
70°-80°	416.6	7.4
80°-90°	108.8	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°	1496.8	26.5
0°-40°	2448.6	43.4
0°-60°	4384.0	77.8
0°-90°	5638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5638.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1941	1941	1941	1941	1941	
5°	1941	1935	1920	1935	1935	184
15°	1859	1856	1847	1865	1862	524
25°	1699	1699	1702	1730	1736	783
35°	1482	1491	1515	1554	1567	926
45°	1222	1247	1295	1355	1376	941
55°	933	984	1062	1111	1123	833
65°	640	721	773	761	746	634
75°	356	450	402	368	356	375
85°	103	100	88	84	88	113
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1940.9	1940.9	1940.9	1940.9	1940.9
2.5°	1946.9	1943.9	1925.8	1943.9	1940.9
5°	1940.9	1934.9	1919.8	1934.9	1934.9
7.5°	1928.8	1922.8	1907.7	1925.8	1922.8
10°	1910.7	1907.7	1892.6	1907.7	1907.7
12.5°	1886.6	1883.5	1871.5	1886.6	1889.6
15°	1859.4	1856.4	1847.3	1865.4	1862.4
17.5°	1823.2	1823.2	1814.1	1835.3	1835.3
20°	1790.0	1787.0	1780.9	1802.0	1805.1
22.5°	1744.7	1741.7	1744.7	1768.8	1771.9
25°	1699.4	1699.4	1702.4	1729.6	1735.6
27.5°	1651.1	1654.1	1660.2	1690.4	1696.4
30°	1599.8	1602.8	1614.9	1645.1	1654.1
32.5°	1536.4	1548.5	1566.6	1599.8	1608.9
35°	1482.1	1491.1	1515.3	1554.5	1566.6
37.5°	1418.7	1430.8	1461.0	1506.2	1518.3
40°	1355.3	1370.4	1409.6	1454.9	1473.0
42.5°	1285.9	1310.0	1352.3	1403.6	1424.7
45°	1222.5	1246.6	1294.9	1355.3	1376.4
47.5°	1150.0	1180.2	1240.6	1298.0	1319.1
50°	1080.6	1113.8	1183.3	1240.6	1258.7
52.5°	1002.1	1050.4	1122.9	1177.2	1192.3
55°	932.7	984.0	1062.5	1110.8	1122.9
57.5°	857.3	920.6	999.1	1035.3	1038.4
60°	787.8	857.3	929.7	947.8	947.8
62.5°	712.4	790.8	854.2	857.3	851.2
65°	639.9	721.4	772.7	760.7	745.6
67.5°	570.5	658.0	682.2	661.1	649.0
70°	492.0	591.6	594.6	561.4	552.4
72.5°	425.6	519.2	498.1	461.8	452.8
75°	356.2	449.8	401.5	368.3	356.2
77.5°	283.7	368.3	310.9	277.7	274.7
80°	223.4	277.7	220.4	199.2	202.2
82.5°	157.0	184.1	144.9	141.9	141.9
85°	102.6	99.6	87.5	84.5	87.5
87.5°	45.3	42.3	39.2	36.2	36.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)