

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: P189702

Luminaire Tested: **BRG-WN-4L35-LD2-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189702  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34876)  
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-24-STD  
Description: BRIDGE 2x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND NANO PRISM INLAY  
LIGHT LEVEL 4 (1260 mA)  
Light Source: (308) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

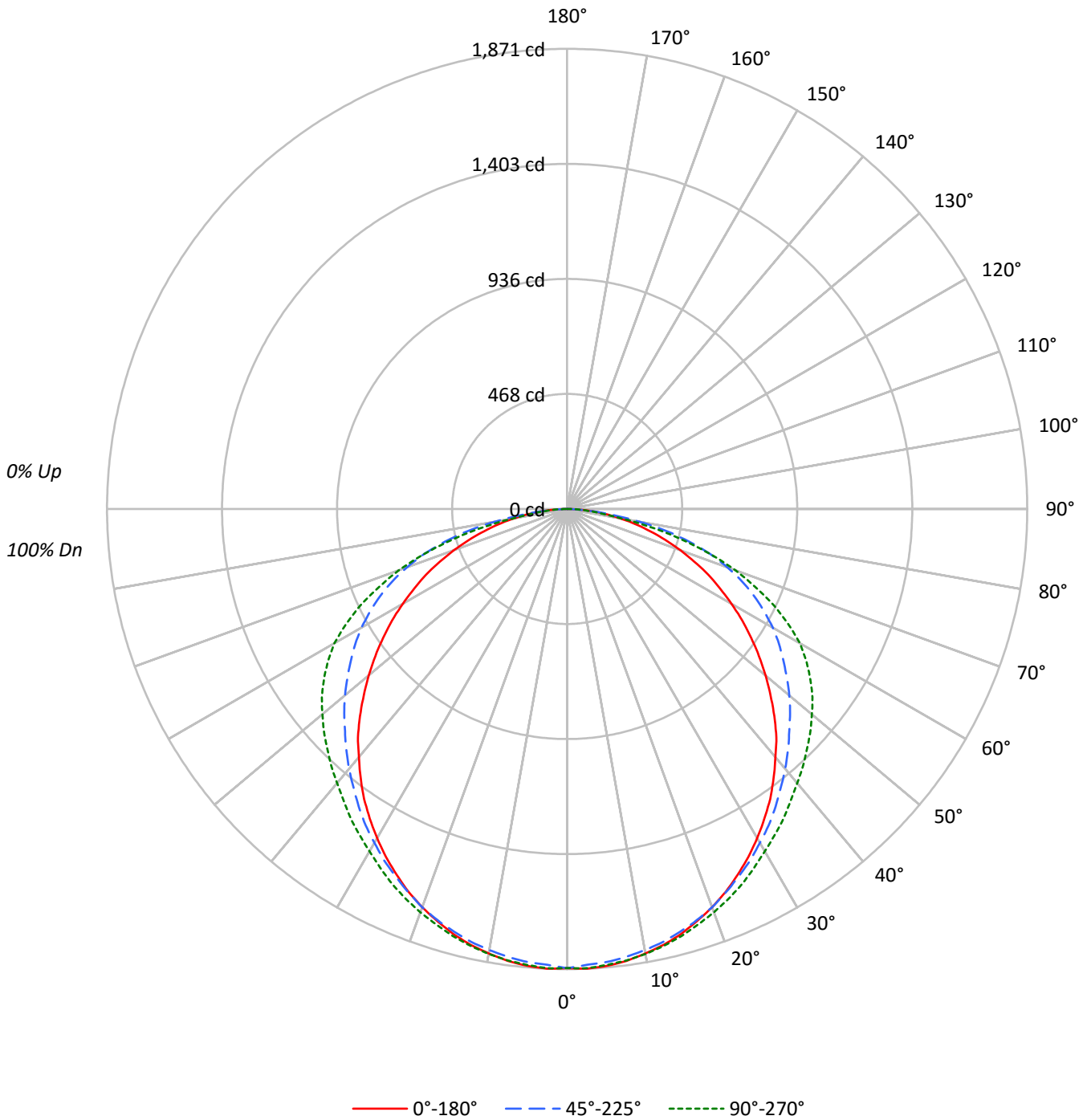
Lumens per Lamp: N/A  
Luminaire Lumens: 5748.6 lumens  
Efficiency: N/A  
Efficacy: 98.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39  
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')  
CIE Type: Direct

Input Watts (W): 58.5  
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	98	94	105	101	97	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	59	52	65	57	51	62	56	50	60	54	50	47
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	49	42	38	35
7	63	49	40	34	62	49	40	34	47	39	34	46	39	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2860	2860	2860
5°	2867	2843	2861
10°	2854	2832	2857
15°	2837	2821	2850
20°	2809	2809	2844
25°	2773	2787	2844
30°	2733	2772	2842
35°	2691	2762	2870
40°	2634	2758	2910
45°	2581	2767	2988
50°	2510	2810	3096
55°	2439	2866	3224
60°	2364	2958	3349
65°	2297	3043	3361
70°	2193	3106	3258
75°	2070	3040	2886
80°	1940	2644	2010
85°	1756	1685	1441



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.5	3.1
10°-20°	504.8	8.8
20°-30°	764.1	13.3
30°-40°	927.8	16.1
40°-50°	990.7	17.2
50°-60°	956.0	16.6
60°-70°	802.6	14.0
70°-80°	499.9	8.7
80°-90°	126.1	2.2
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°	1445.5	25.1
0°-40°	2373.3	41.3
0°-60°	4320.0	75.1
0°-90°	5748.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5748.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1867	1867	1867	1867	1867	
5°	1865	1861	1849	1861	1861	177
15°	1789	1787	1779	1795	1797	504
25°	1641	1643	1649	1675	1683	756
35°	1439	1447	1477	1517	1535	899
45°	1191	1217	1277	1349	1379	918
55°	914	972	1073	1169	1207	817
65°	634	730	840	906	928	625
75°	350	478	514	502	488	371
85°	100	140	96	84	82	112
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1867.0	1867.0	1867.0	1867.0	1867.0
2.5°	1871.0	1867.0	1855.0	1867.0	1869.0
5°	1865.0	1861.0	1849.0	1861.0	1861.0
7.5°	1853.0	1849.0	1837.0	1851.0	1851.0
10°	1835.0	1833.0	1821.0	1837.0	1837.0
12.5°	1815.0	1813.0	1803.1	1819.0	1819.0
15°	1789.1	1787.1	1779.1	1795.1	1797.1
17.5°	1757.1	1757.1	1753.1	1769.1	1771.1
20°	1723.1	1723.1	1723.1	1743.1	1745.1
22.5°	1685.1	1683.1	1687.1	1709.1	1715.1
25°	1641.1	1643.1	1649.1	1675.1	1683.1
27.5°	1595.2	1599.2	1611.2	1639.1	1645.1
30°	1545.2	1551.2	1567.2	1599.2	1607.2
32.5°	1493.2	1501.2	1525.2	1557.2	1571.2
35°	1439.2	1447.2	1477.2	1517.2	1535.2
37.5°	1379.3	1391.3	1427.3	1477.2	1493.2
40°	1317.3	1335.3	1379.3	1433.2	1455.2
42.5°	1259.3	1277.3	1329.3	1391.3	1419.3
45°	1191.4	1217.4	1277.3	1349.3	1379.3
47.5°	1121.4	1157.4	1229.4	1305.3	1341.3
50°	1053.4	1093.4	1179.4	1263.3	1299.3
52.5°	983.5	1035.5	1125.4	1217.4	1257.3
55°	913.5	971.5	1073.4	1169.4	1207.4
57.5°	843.6	915.5	1021.5	1115.4	1153.4
60°	771.6	853.6	965.5	1055.4	1093.4
62.5°	701.6	791.6	903.5	985.5	1013.5
65°	633.7	729.6	839.6	905.5	927.5
67.5°	559.7	669.6	769.6	819.6	827.6
70°	489.7	609.7	693.6	721.6	727.6
72.5°	417.8	547.7	609.7	613.7	609.7
75°	349.8	477.7	513.7	501.7	487.7
77.5°	283.9	405.8	413.8	375.8	361.8
80°	219.9	327.8	299.8	251.9	227.9
82.5°	155.9	241.9	185.9	147.9	137.9
85°	99.9	139.9	95.9	84.0	82.0
87.5°	46.0	52.0	40.0	36.0	36.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)