

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: P189594

Luminaire Tested: **BRG-WG-1L35-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34883)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WG-1L35-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND
RECTANGULAR PERF INLAY
LIGHT LEVEL 1 (425 mA)
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1804.1 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.4
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

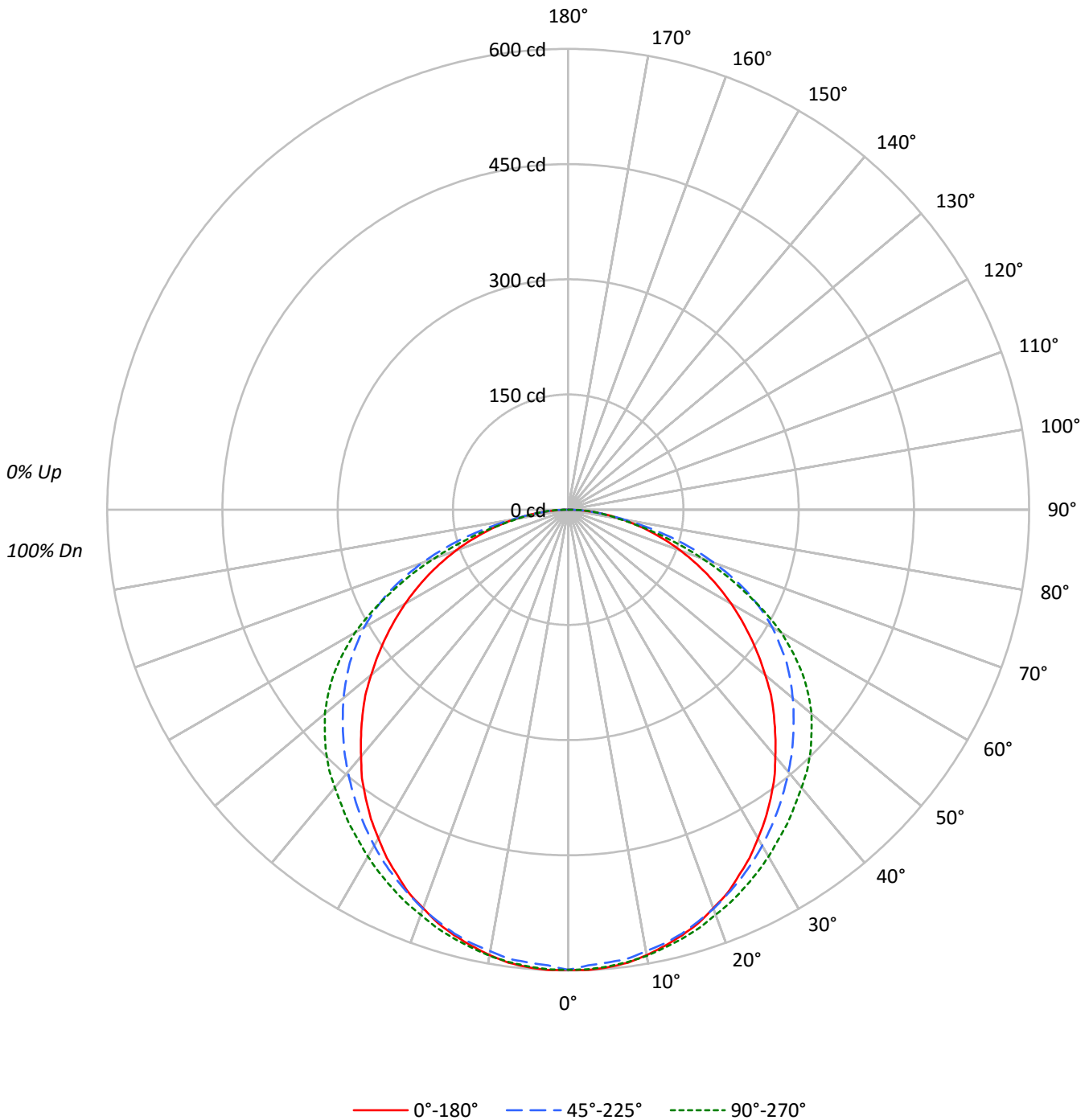
Input Watts (W): 18.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	57	51	61	55	51	48
5	75	62	52	46	73	60	52	45	58	51	45	56	50	44	54	49	44	42
6	69	55	46	40	67	54	46	39	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25
10	52	39	31	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1835	1835	1835
5°	1839	1820	1835
10°	1831	1816	1835
15°	1819	1812	1832
20°	1800	1803	1829
25°	1776	1793	1835
30°	1747	1787	1844
35°	1717	1782	1862
40°	1677	1783	1889
45°	1640	1795	1932
50°	1595	1819	1970
55°	1548	1853	1989
60°	1500	1881	1963
65°	1450	1886	1842
70°	1389	1809	1663
75°	1316	1631	1413
80°	1224	1314	1152
85°	1111	1075	1149



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	3.1
10°-20°	162.1	9.0
20°-30°	245.8	13.6
30°-40°	299.2	16.6
40°-50°	319.2	17.7
50°-60°	302.7	16.8
60°-70°	241.7	13.4
70°-80°	139.2	7.7
80°-90°	37.6	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°	464.5	25.7
0°-40°	763.7	42.3
0°-60°	1385.7	76.8
0°-90°	1804.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1804.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	599	599	599	599	599	
5°	598	597	592	597	597	57
15°	574	574	571	578	578	162
25°	526	528	531	541	543	242
35°	459	464	476	493	498	287
45°	379	390	414	438	446	292
55°	290	312	347	367	372	259
65°	200	236	260	258	254	198
75°	111	150	138	124	119	118
85°	32	34	31	32	33	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	599.0	599.0	599.0	599.0	599.0
2.5°	600.0	599.0	593.9	599.0	599.0
5°	598.0	596.9	591.8	596.9	596.9
7.5°	594.9	593.9	589.8	593.9	593.9
10°	588.8	587.8	583.7	589.8	589.8
12.5°	581.6	581.6	578.6	583.7	583.7
15°	573.5	573.5	571.4	577.6	577.6
17.5°	564.3	563.3	562.3	569.4	570.4
20°	552.1	552.1	553.1	560.2	561.2
22.5°	540.8	540.8	541.8	551.0	553.1
25°	525.5	527.6	530.6	540.8	542.9
27.5°	511.2	512.3	518.4	529.6	532.7
30°	493.9	498.0	505.1	517.4	521.4
32.5°	477.6	481.6	490.8	505.1	509.2
35°	459.2	464.3	476.5	492.9	498.0
37.5°	440.8	445.9	461.2	479.6	484.7
40°	419.4	428.6	445.9	465.3	472.5
42.5°	399.0	409.2	430.6	452.0	460.2
45°	378.6	389.8	414.3	437.8	445.9
47.5°	358.2	370.4	398.0	422.5	429.6
50°	334.7	351.0	381.6	405.1	413.3
52.5°	312.3	331.6	364.3	387.8	393.9
55°	289.8	312.3	346.9	367.4	372.5
57.5°	267.4	292.9	326.5	343.9	346.9
60°	244.9	273.5	307.1	318.4	320.4
62.5°	222.5	255.1	283.7	289.8	288.8
65°	200.0	235.7	260.2	258.2	254.1
67.5°	177.6	215.3	231.6	224.5	221.4
70°	155.1	194.9	202.0	190.8	185.7
72.5°	133.7	173.5	170.4	157.1	152.0
75°	111.2	150.0	137.8	124.5	119.4
77.5°	90.8	124.5	104.1	91.8	88.8
80°	69.4	94.9	74.5	66.3	65.3
82.5°	50.0	63.3	49.0	48.0	48.0
85°	31.6	33.7	30.6	31.6	32.7
87.5°	14.3	15.3	16.3	16.3	17.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)