

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: P189624

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189624
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-1L35-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND NANO PRISM INLAY
LIGHT LEVEL 1 (425 mA)
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

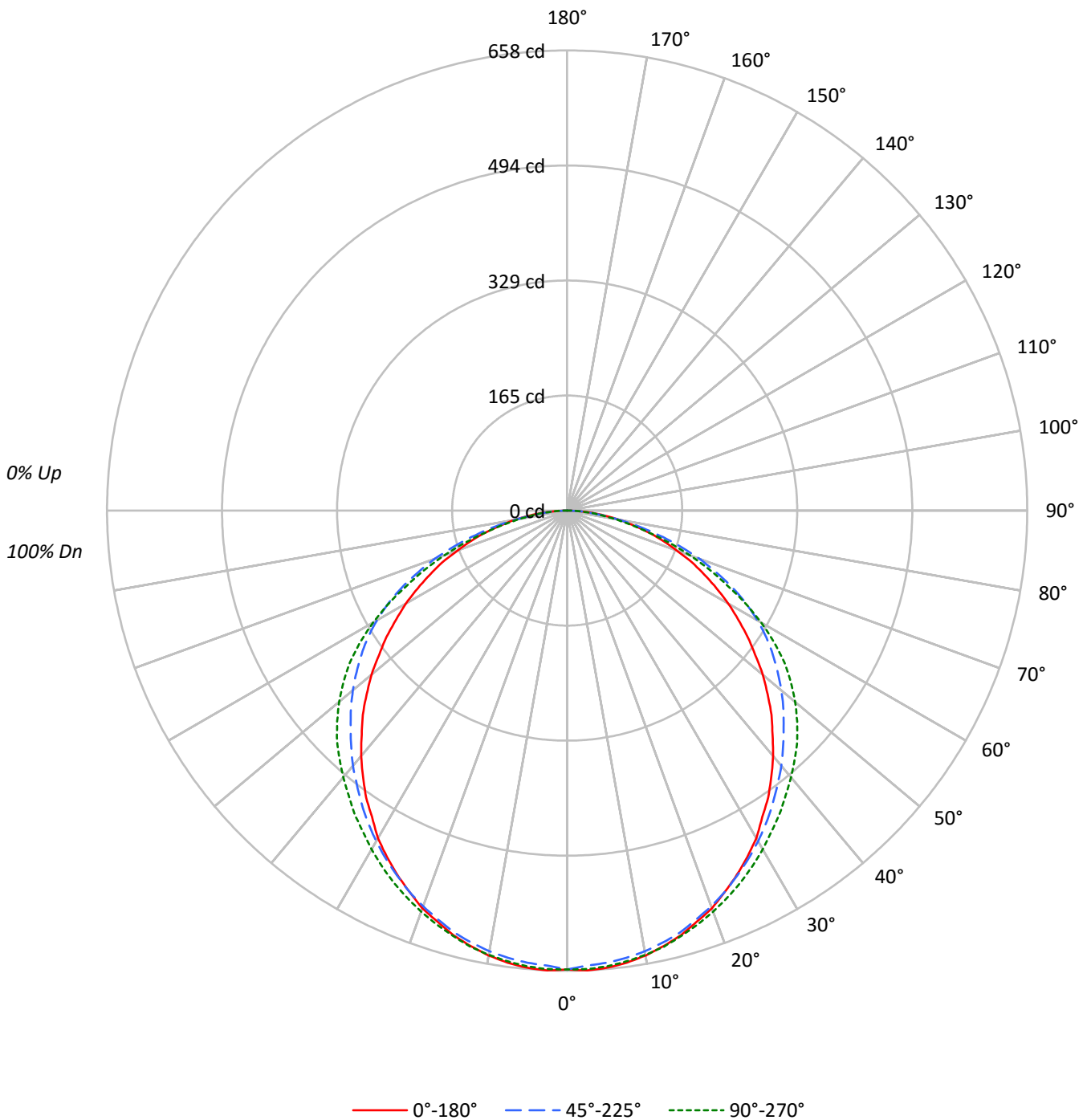
Lumens per Lamp: N/A
Luminaire Lumens: 1906.2 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	2010	2010	2010
5°	2018	1996	2012
10°	2009	1990	2006
15°	1993	1981	1997
20°	1973	1963	1989
25°	1942	1945	1983
30°	1913	1931	1978
35°	1874	1916	1981
40°	1832	1906	1991
45°	1790	1897	2016
50°	1741	1906	2028
55°	1684	1918	2027
60°	1632	1926	1963
65°	1569	1894	1827
70°	1489	1800	1673
75°	1425	1606	1425
80°	1332	1314	1207
85°	1220	1040	1040



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	3.3
10°-20°	177.1	9.3
20°-30°	266.9	14.0
30°-40°	321.8	16.9
40°-50°	338.7	17.8
50°-60°	315.6	16.6
60°-70°	246.3	12.9
70°-80°	140.8	7.4
80°-90°	36.8	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°	506.0	26.5
0°-40°	827.9	43.4
0°-60°	1482.2	77.8
0°-90°	1906.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1906.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	656	656	656	656	656	
5°	656	654	649	654	654	62
15°	629	628	625	631	630	177
25°	575	575	576	585	587	265
35°	501	504	512	526	530	313
45°	413	422	438	458	465	318
55°	315	333	359	376	380	282
65°	216	244	261	257	252	214
75°	120	152	136	124	120	127
85°	35	34	30	29	30	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	656.2	656.2	656.2	656.2	656.2
2.5°	658.2	657.2	651.1	657.2	656.2
5°	656.2	654.2	649.1	654.2	654.2
7.5°	652.1	650.1	645.0	651.1	650.1
10°	646.0	645.0	639.9	645.0	645.0
12.5°	637.8	636.8	632.7	637.8	638.8
15°	628.6	627.6	624.6	630.7	629.7
17.5°	616.4	616.4	613.3	620.5	620.5
20°	605.2	604.1	602.1	609.3	610.3
22.5°	589.9	588.8	589.9	598.0	599.0
25°	574.6	574.6	575.6	584.8	586.8
27.5°	558.2	559.2	561.3	571.5	573.5
30°	540.9	541.9	546.0	556.2	559.2
32.5°	519.4	523.5	529.7	540.9	543.9
35°	501.1	504.1	512.3	525.6	529.7
37.5°	479.6	483.7	493.9	509.2	513.3
40°	458.2	463.3	476.6	491.9	498.0
42.5°	434.7	442.9	457.2	474.5	481.7
45°	413.3	421.5	437.8	458.2	465.4
47.5°	388.8	399.0	419.4	438.8	446.0
50°	365.3	376.6	400.0	419.4	425.6
52.5°	338.8	355.1	379.6	398.0	403.1
55°	315.3	332.7	359.2	375.6	379.6
57.5°	289.8	311.3	337.8	350.0	351.1
60°	266.4	289.8	314.3	320.4	320.4
62.5°	240.8	267.4	288.8	289.8	287.8
65°	216.4	243.9	261.3	257.2	252.1
67.5°	192.9	222.5	230.6	223.5	219.4
70°	166.3	200.0	201.0	189.8	186.8
72.5°	143.9	175.5	168.4	156.1	153.1
75°	120.4	152.1	135.7	124.5	120.4
77.5°	95.9	124.5	105.1	93.9	92.9
80°	75.5	93.9	74.5	67.4	68.4
82.5°	53.1	62.3	49.0	48.0	48.0
85°	34.7	33.7	29.6	28.6	29.6
87.5°	15.3	14.3	13.3	12.2	12.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)