

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: P189619

Luminaire Tested: **BRG-WN-1L30-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189619
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-1L30-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

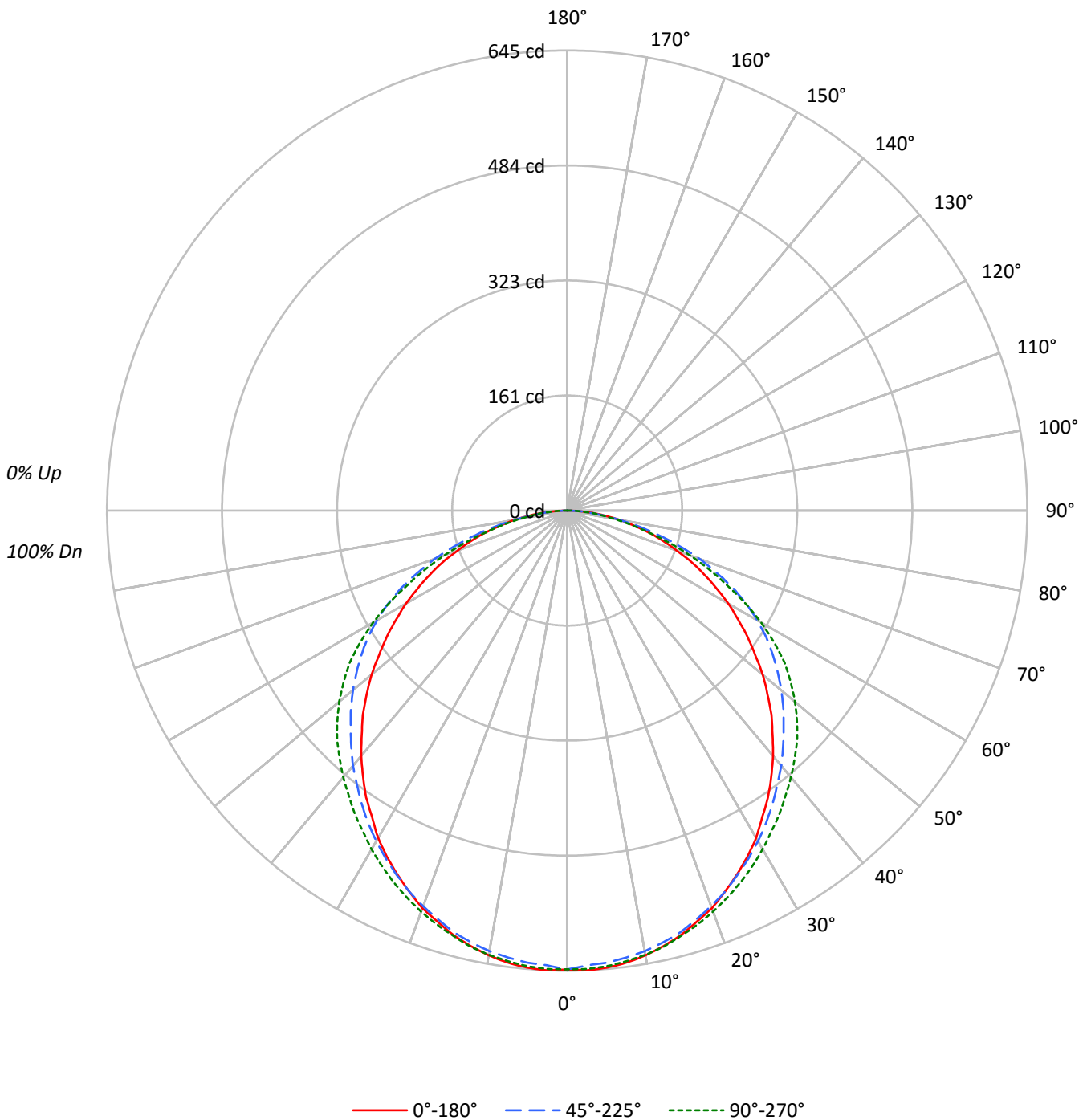
Lumens per Lamp: N/A
Luminaire Lumens: 1867.9 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

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°	1970	1970	1970
5°	1977	1956	1971
10°	1969	1951	1966
15°	1954	1941	1957
20°	1933	1924	1950
25°	1903	1907	1944
30°	1875	1893	1939
35°	1836	1877	1941
40°	1795	1867	1951
45°	1754	1858	1975
50°	1706	1868	1987
55°	1650	1880	1987
60°	1599	1887	1924
65°	1537	1856	1790
70°	1460	1764	1639
75°	1397	1574	1397
80°	1305	1288	1182
85°	1195	1019	1019



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	3.3
10°-20°	173.5	9.3
20°-30°	261.6	14.0
30°-40°	315.3	16.9
40°-50°	331.9	17.8
50°-60°	309.3	16.6
60°-70°	241.4	12.9
70°-80°	138.0	7.4
80°-90°	36.1	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°	495.9	26.6
0°-40°	811.3	43.4
0°-60°	1452.5	77.8
0°-90°	1867.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1867.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	643	643	643	643	643	
5°	643	641	636	641	641	61
15°	616	615	612	618	617	174
25°	563	563	564	573	575	259
35°	491	494	502	515	519	307
45°	405	413	429	449	456	312
55°	309	326	352	368	372	276
65°	212	239	256	252	247	210
75°	118	149	133	122	118	124
85°	34	33	29	28	29	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	643.1	643.1	643.1	643.1	643.1
2.5°	645.1	644.1	638.1	644.1	643.1
5°	643.1	641.1	636.1	641.1	641.1
7.5°	639.1	637.1	632.1	638.1	637.1
10°	633.1	632.1	627.1	632.1	632.1
12.5°	625.1	624.1	620.1	625.1	626.1
15°	616.1	615.1	612.1	618.1	617.1
17.5°	604.1	604.1	601.1	608.1	608.1
20°	593.1	592.1	590.1	597.1	598.1
22.5°	578.1	577.1	578.1	586.1	587.1
25°	563.1	563.1	564.1	573.1	575.1
27.5°	547.1	548.1	550.1	560.1	562.1
30°	530.0	531.0	535.1	545.1	548.1
32.5°	509.0	513.0	519.0	530.0	533.0
35°	491.0	494.0	502.0	515.0	519.0
37.5°	470.0	474.0	484.0	499.0	503.0
40°	449.0	454.0	467.0	482.0	488.0
42.5°	426.0	434.0	448.0	465.0	472.0
45°	405.0	413.0	429.0	449.0	456.0
47.5°	381.0	391.0	411.0	430.0	437.0
50°	358.0	369.0	392.0	411.0	417.0
52.5°	332.0	348.0	372.0	390.0	395.0
55°	309.0	326.0	352.0	368.0	372.0
57.5°	284.0	305.0	331.0	343.0	344.0
60°	261.0	284.0	308.0	314.0	314.0
62.5°	236.0	262.0	283.0	284.0	282.0
65°	212.0	239.0	256.0	252.0	247.0
67.5°	189.0	218.0	226.0	219.0	215.0
70°	163.0	196.0	197.0	186.0	183.0
72.5°	141.0	172.0	165.0	153.0	150.0
75°	118.0	149.0	133.0	122.0	118.0
77.5°	94.0	122.0	103.0	92.0	91.0
80°	74.0	92.0	73.0	66.0	67.0
82.5°	52.0	61.0	48.0	47.0	47.0
85°	34.0	33.0	29.0	28.0	29.0
87.5°	15.0	14.0	13.0	12.0	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)