

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: P189557

Luminaire Tested: **BRG-WN-2L30-LD2-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34865)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WN-2L30-LD2-UNV-22-STD
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND NANO PRISM INLAY
LIGHT LEVEL 2 (506 mA)
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

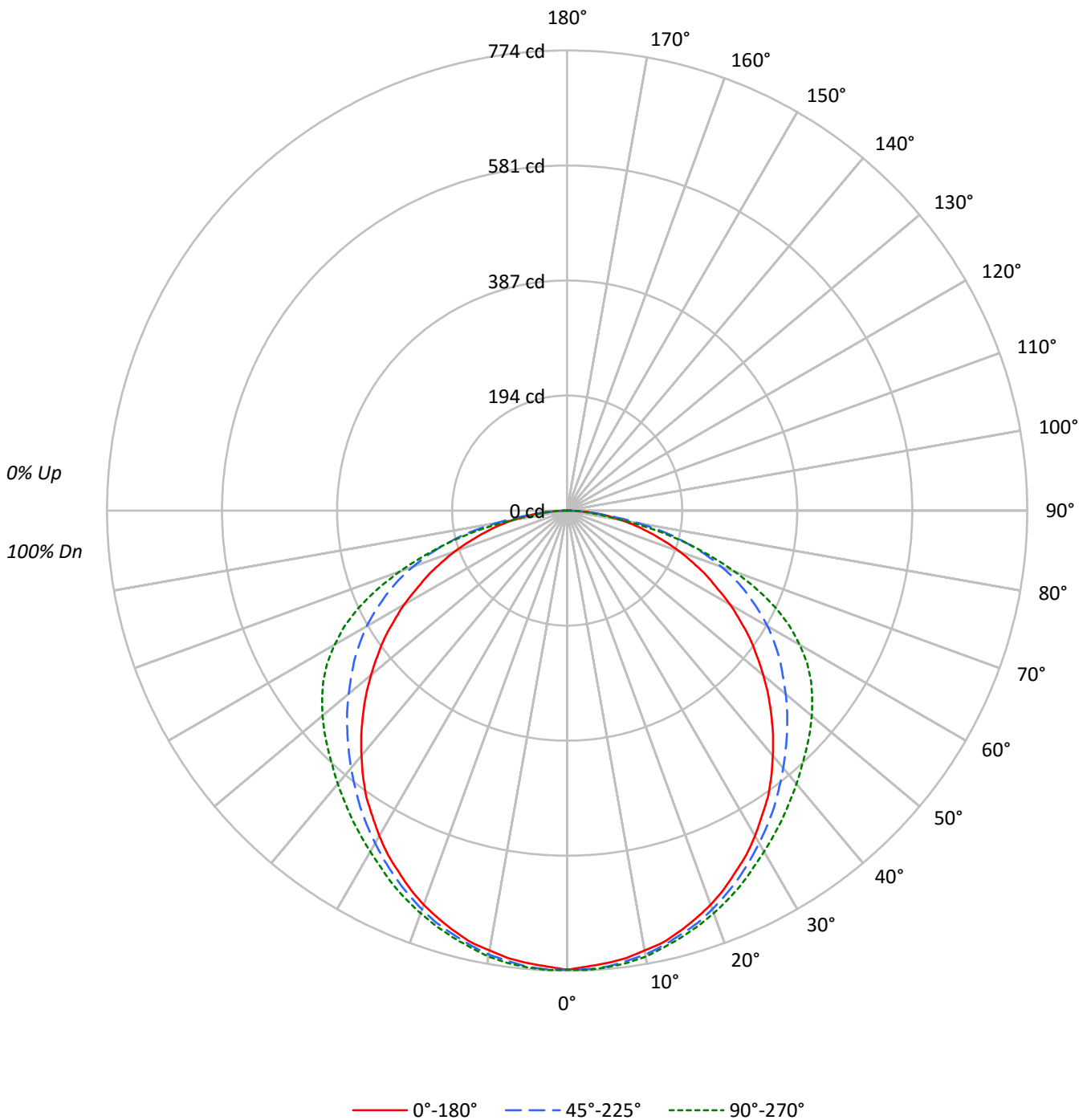
Lumens per Lamp: N/A
Luminaire Lumens: 2350.1 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 23.1
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	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	36	31	57	45	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2473	2473	2473
5°	2456	2475	2479
10°	2443	2466	2477
15°	2429	2448	2463
20°	2405	2433	2457
25°	2369	2411	2452
30°	2337	2388	2449
35°	2301	2374	2470
40°	2250	2363	2510
45°	2199	2369	2576
50°	2145	2390	2676
55°	2097	2437	2796
60°	2031	2496	2893
65°	1960	2545	2935
70°	1885	2586	2805
75°	1781	2534	2519
80°	1704	2222	1748
85°	1591	1591	1290



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.0	3.1
10°-20°	208.3	8.9
20°-30°	314.5	13.4
30°-40°	380.9	16.2
40°-50°	405.6	17.3
50°-60°	390.2	16.6
60°-70°	325.7	13.9
70°-80°	201.0	8.6
80°-90°	51.0	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°	595.8	25.4
0°-40°	976.7	41.6
0°-60°	1772.5	75.4
0°-90°	2350.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2350.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	772	772	772	772	772	
5°	764	766	770	771	771	73
15°	732	735	738	742	743	207
25°	670	674	682	690	694	309
35°	589	593	607	624	632	368
45°	486	496	523	554	569	375
55°	376	394	436	480	501	335
65°	259	292	336	371	387	256
75°	144	182	205	206	204	153
85°	43	53	43	36	35	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	772.3	772.3	772.3	772.3	772.3
2.5°	767.6	768.8	772.3	773.5	773.5
5°	764.1	766.5	770.0	771.1	771.1
7.5°	759.4	760.6	764.1	766.5	767.6
10°	751.2	753.6	758.3	760.6	761.8
12.5°	744.2	744.2	748.9	752.4	752.4
15°	732.5	734.9	738.4	741.9	743.0
17.5°	719.6	722.0	727.8	731.3	732.5
20°	705.6	707.9	713.8	718.5	720.8
22.5°	689.2	691.6	698.6	705.6	707.9
25°	670.5	674.0	682.2	690.4	693.9
27.5°	652.9	655.3	664.6	674.0	677.5
30°	631.9	635.4	645.9	657.6	662.3
32.5°	609.6	615.5	627.2	641.2	647.1
35°	588.6	593.3	607.3	623.7	631.9
37.5°	564.0	569.9	586.2	606.1	615.5
40°	538.3	545.3	565.2	587.4	600.3
42.5°	512.5	521.9	544.1	571.0	583.9
45°	485.6	496.1	523.1	553.5	568.7
47.5°	458.7	471.6	502.0	535.9	553.5
50°	430.6	445.8	479.8	518.4	537.1
52.5°	402.5	420.1	457.5	498.5	519.5
55°	375.6	394.3	436.5	479.8	500.8
57.5°	345.2	367.4	413.1	456.4	478.6
60°	317.1	342.9	389.7	431.8	451.7
62.5°	285.5	318.3	362.7	404.9	422.4
65°	258.6	292.5	335.8	370.9	387.3
67.5°	229.3	265.6	307.8	335.8	345.2
70°	201.3	238.7	276.2	294.9	299.6
72.5°	172.0	211.8	242.2	252.8	251.6
75°	143.9	182.5	204.8	205.9	203.6
77.5°	118.2	152.1	167.3	158.0	153.3
80°	92.4	119.4	120.5	105.3	94.8
82.5°	67.9	86.6	77.2	63.2	57.3
85°	43.3	52.7	43.3	36.3	35.1
87.5°	18.7	21.1	16.4	15.2	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)