

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: P189620

Luminaire Tested: **BRG-WN-2L30-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189620
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-2L30-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND NANO PRISM INLAY
LIGHT LEVEL 2 (635 mA)
Light Source: (308) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

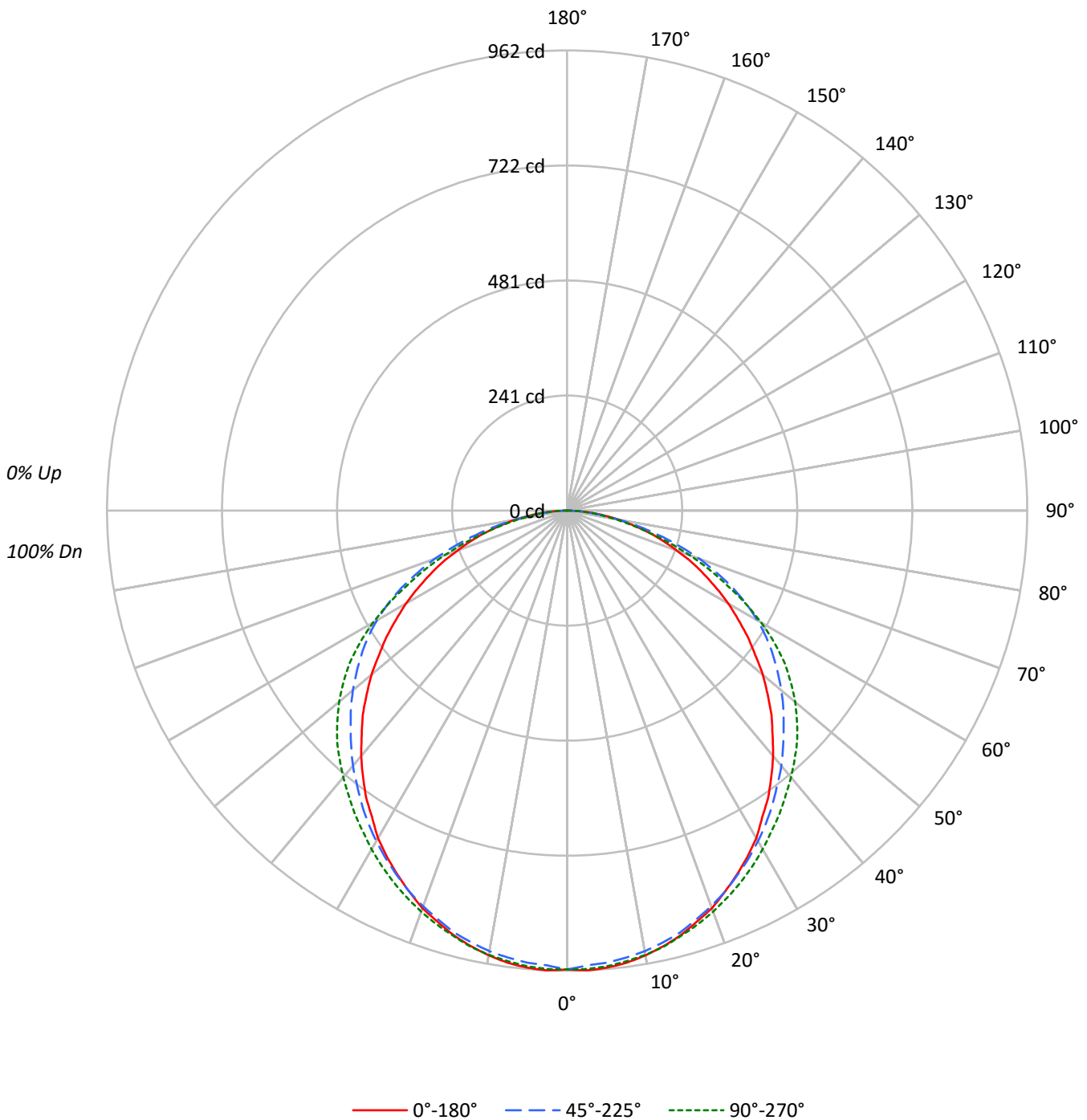
Lumens per Lamp: N/A
Luminaire Lumens: 2786.4 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.1
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°	2938	2938	2938
5°	2949	2918	2940
10°	2937	2910	2933
15°	2914	2895	2919
20°	2884	2869	2908
25°	2839	2844	2899
30°	2797	2823	2892
35°	2739	2801	2895
40°	2678	2786	2911
45°	2617	2773	2947
50°	2545	2787	2965
55°	2462	2804	2964
60°	2386	2815	2870
65°	2293	2768	2671
70°	2178	2632	2445
75°	2083	2348	2083
80°	1948	1921	1764
85°	1782	1522	1522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.7	3.3
10°-20°	258.8	9.3
20°-30°	390.2	14.0
30°-40°	470.4	16.9
40°-50°	495.1	17.8
50°-60°	461.4	16.6
60°-70°	360.1	12.9
70°-80°	205.9	7.4
80°-90°	53.8	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°	739.7	26.5
0°-40°	1210.1	43.4
0°-60°	2166.6	77.8
0°-90°	2786.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2786.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	959	959	959	959	959	
5°	959	956	949	956	956	91
15°	919	918	913	922	920	259
25°	840	840	841	855	858	387
35°	732	737	749	768	774	458
45°	604	616	640	670	680	465
55°	461	486	525	549	555	412
65°	316	356	382	376	368	313
75°	176	222	198	182	176	185
85°	51	49	43	42	43	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	959.2	959.2	959.2	959.2	959.2
2.5°	962.2	960.7	951.8	960.7	959.2
5°	959.2	956.2	948.8	956.2	956.2
7.5°	953.3	950.3	942.8	951.8	950.3
10°	944.3	942.8	935.4	942.8	942.8
12.5°	932.4	930.9	924.9	932.4	933.9
15°	918.9	917.5	913.0	921.9	920.4
17.5°	901.0	901.0	896.6	907.0	907.0
20°	884.6	883.1	880.2	890.6	892.1
22.5°	862.3	860.8	862.3	874.2	875.7
25°	839.9	839.9	841.4	854.8	857.8
27.5°	816.0	817.5	820.5	835.4	838.4
30°	790.7	792.1	798.1	813.0	817.5
32.5°	759.3	765.3	774.2	790.7	795.1
35°	732.5	736.9	748.9	768.3	774.2
37.5°	701.1	707.1	722.0	744.4	750.4
40°	669.8	677.3	696.7	719.0	728.0
42.5°	635.5	647.4	668.3	693.7	704.1
45°	604.2	616.1	640.0	669.8	680.3
47.5°	568.4	583.3	613.1	641.5	651.9
50°	534.1	550.5	584.8	613.1	622.1
52.5°	495.3	519.1	554.9	581.8	589.3
55°	461.0	486.3	525.1	549.0	554.9
57.5°	423.7	455.0	493.8	511.7	513.2
60°	389.4	423.7	459.5	468.4	468.4
62.5°	352.1	390.9	422.2	423.7	420.7
65°	316.3	356.5	381.9	375.9	368.5
67.5°	281.9	325.2	337.1	326.7	320.7
70°	243.2	292.4	293.9	277.5	273.0
72.5°	210.3	256.6	246.1	228.2	223.8
75°	176.0	222.3	198.4	182.0	176.0
77.5°	140.2	182.0	153.7	137.2	135.8
80°	110.4	137.2	108.9	98.5	100.0
82.5°	77.6	91.0	71.6	70.1	70.1
85°	50.7	49.2	43.3	41.8	43.3
87.5°	22.4	20.9	19.4	17.9	17.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)