

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: P189575

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34878)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WS-2L30-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 2 (635 mA)
Light Source: (308) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

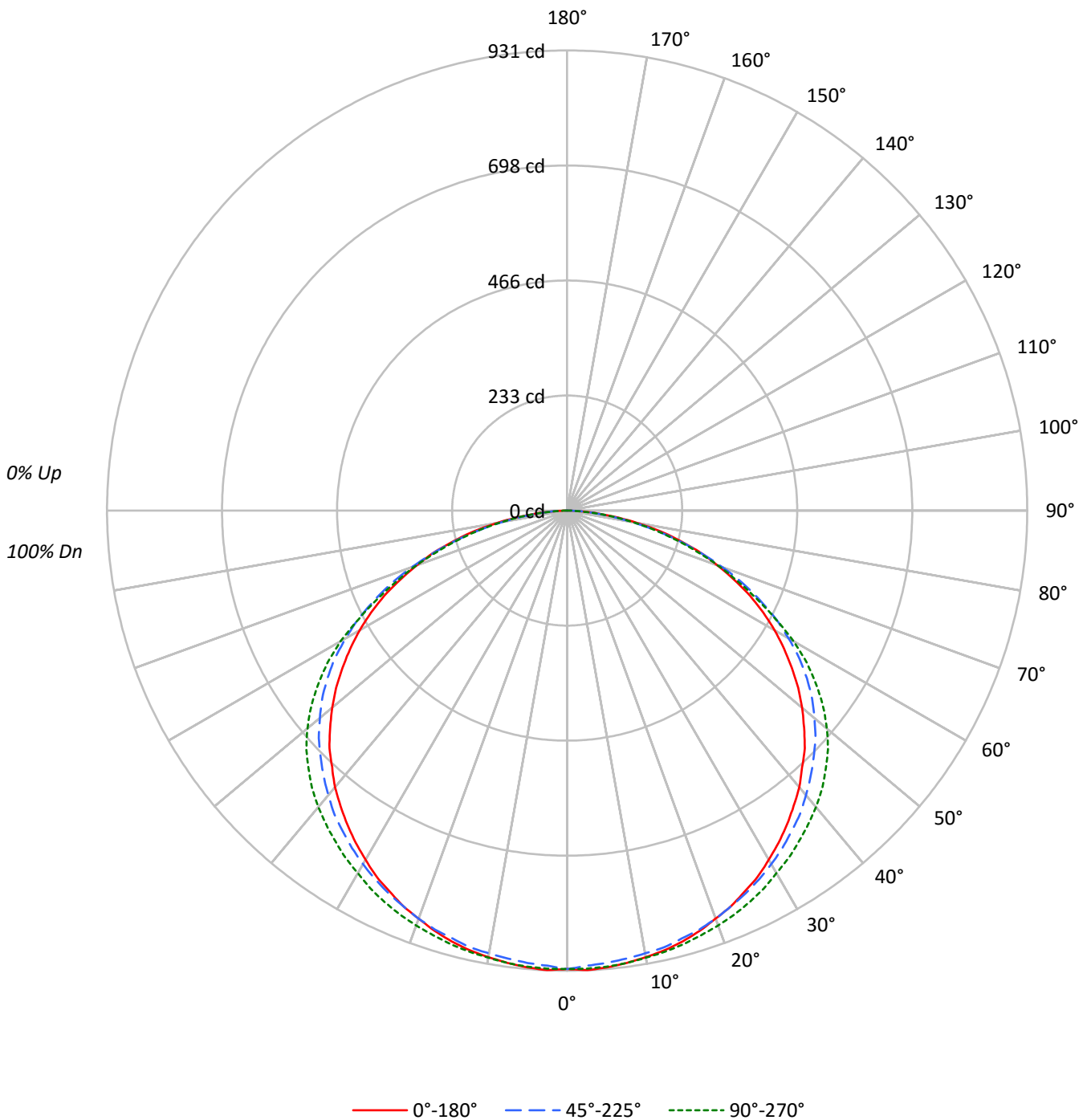
Lumens per Lamp: N/A
Luminaire Lumens: 3040.0 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.36 / 1.47
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.1
Input Voltage (V): NR
Input Current (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	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
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	64	60	68	63	59	56
4	81	68	59	52	79	67	59	52	65	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	27	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2841	2841	2841
5°	2852	2825	2848
10°	2853	2830	2858
15°	2861	2842	2880
20°	2863	2863	2912
25°	2873	2888	2954
30°	2886	2922	2996
35°	2900	2961	3056
40°	2922	3006	3131
45°	2946	3056	3204
50°	2957	3113	3269
55°	2963	3162	3289
60°	2970	3170	3243
65°	2962	3124	3070
70°	2898	2992	2912
75°	2806	2736	2683
80°	2526	2341	2367
85°	1993	1782	1677



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.0	2.9
10°-20°	255.1	8.4
20°-30°	396.7	13.0
30°-40°	497.9	16.4
40°-50°	546.2	18.0
50°-60°	525.6	17.3
60°-70°	419.1	13.8
70°-80°	248.7	8.2
80°-90°	62.8	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°	739.7	24.3
0°-40°	1237.6	40.7
0°-60°	2309.4	76.0
0°-90°	3040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3040.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	928	928	928	928	928	
5°	928	926	919	926	926	88
15°	902	901	896	907	908	255
25°	850	852	855	870	874	392
35°	776	778	792	811	817	486
45°	680	686	705	731	740	523
55°	555	568	592	610	616	496
65°	409	425	431	425	424	402
75°	237	255	231	227	227	250
85°	57	54	51	48	48	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	927.6	927.6	927.6	927.6	927.6
2.5°	930.6	929.1	921.7	929.1	927.6
5°	927.6	926.1	918.7	926.1	926.1
7.5°	923.2	921.7	914.2	923.2	923.2
10°	917.2	915.7	909.7	918.7	918.7
12.5°	911.2	909.7	905.3	914.2	914.2
15°	902.3	900.8	896.3	906.8	908.2
17.5°	891.8	890.3	888.9	900.8	900.8
20°	878.4	878.4	878.4	891.8	893.3
22.5°	866.5	866.5	866.5	881.4	884.4
25°	850.1	851.6	854.6	869.5	873.9
27.5°	835.2	835.2	841.1	857.5	862.0
30°	815.8	818.8	826.2	842.6	847.1
32.5°	796.4	800.9	809.8	827.7	833.7
35°	775.5	778.5	791.9	811.3	817.3
37.5°	753.1	757.6	774.0	794.9	800.9
40°	730.8	735.2	751.7	775.5	783.0
42.5°	703.9	711.4	729.3	753.1	763.6
45°	680.1	686.0	705.4	730.8	739.7
47.5°	650.2	659.2	681.6	705.4	715.9
50°	620.4	630.8	653.2	678.6	686.0
52.5°	589.1	601.0	624.9	645.8	653.2
55°	554.8	568.2	592.1	610.0	615.9
57.5°	520.5	536.9	557.8	569.7	575.7
60°	484.7	499.6	517.5	526.5	529.4
62.5°	447.4	462.3	477.2	475.7	475.7
65°	408.6	425.0	431.0	425.0	423.5
67.5°	365.4	384.8	384.8	374.3	372.8
70°	323.6	343.0	334.1	323.6	325.1
72.5°	283.4	301.3	281.9	272.9	274.4
75°	237.1	255.0	231.2	226.7	226.7
77.5°	192.4	204.3	181.9	179.0	180.5
80°	143.2	153.6	132.7	131.2	134.2
82.5°	96.9	99.9	88.0	89.5	92.5
85°	56.7	53.7	50.7	47.7	47.7
87.5°	20.9	20.9	16.4	14.9	13.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)