

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: P189649

Luminaire Tested: **BRG-WS-1L30-LD2-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189649  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34869)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: BRG-WS-1L30-LD2-UNV-24-STD  
Description: BRIDGE 2x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 1 (615 mA)  
Light Source: (308) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

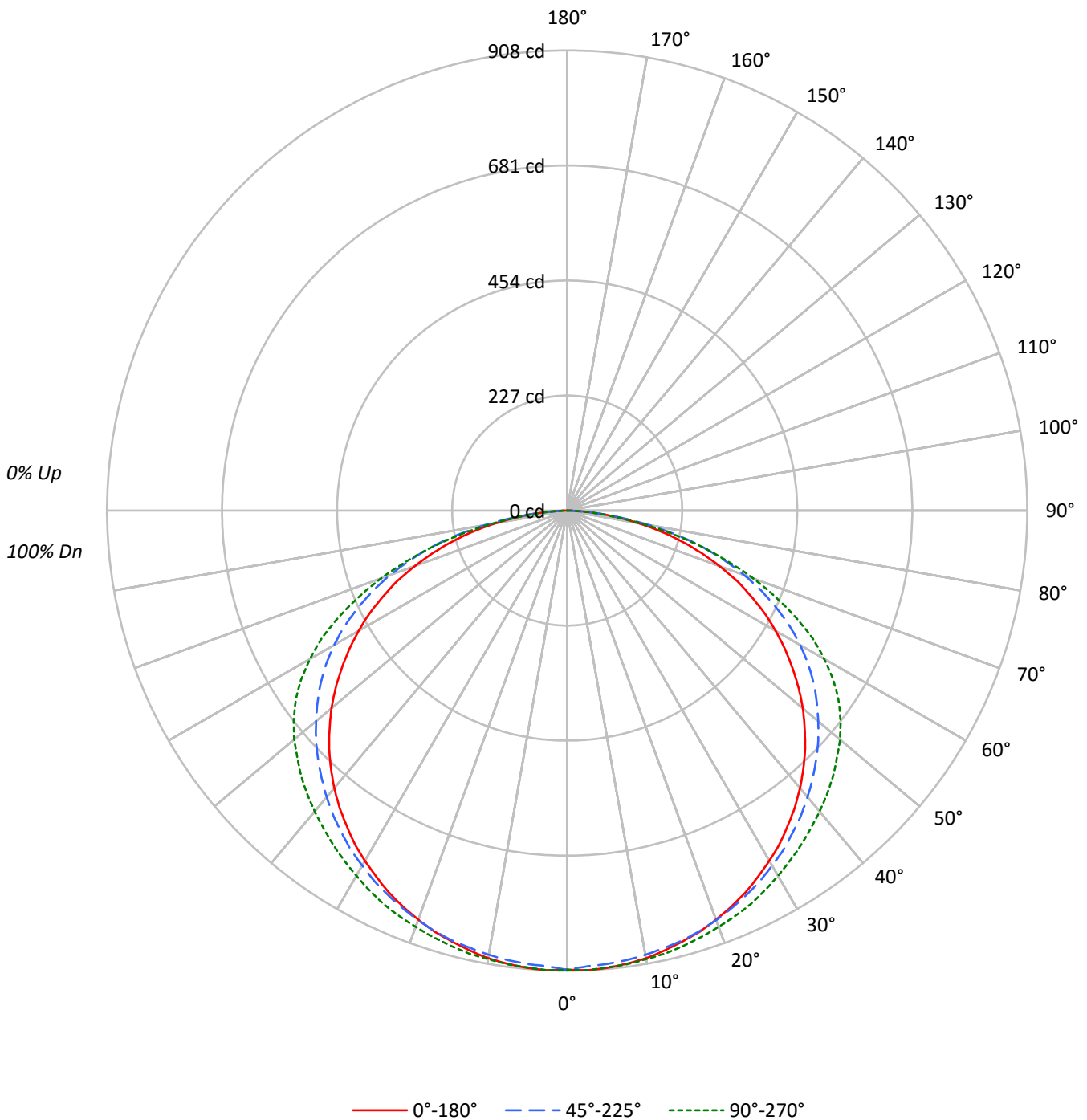
Lumens per Lamp: N/A  
Luminaire Lumens: 3081.9 lumens  
Efficiency: N/A  
Efficacy: 113.7 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.37 / 1.48  
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')  
CIE Type: Direct

Input Watts (W): 27.1  
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	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82
2	97	88	81	75	95	87	80	74	83	77	72	80	75	71	76	73	69	67
3	88	77	68	61	86	75	67	61	72	65	60	69	63	58	67	62	57	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	44	38	66	53	44	37	51	43	37	49	42	37	48	41	36	34
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	29	27
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24
10	51	37	29	24	50	37	29	24	36	28	23	35	28	23	34	28	23	21

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1388	1388	1388
5°	1393	1381	1391
10°	1395	1384	1398
15°	1395	1392	1410
20°	1400	1402	1425
25°	1406	1414	1448
30°	1411	1431	1471
35°	1419	1451	1505
40°	1430	1476	1550
45°	1438	1505	1607
50°	1446	1542	1675
55°	1450	1586	1746
60°	1455	1627	1795
65°	1450	1653	1801
70°	1429	1661	1751
75°	1379	1633	1616
80°	1261	1429	1323
85°	1002	949	861



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.0	2.8
10°-20°	249.4	8.1
20°-30°	388.2	12.6
30°-40°	488.3	15.8
40°-50°	539.7	17.5
50°-60°	532.3	17.3
60°-70°	447.7	14.5
70°-80°	279.6	9.1
80°-90°	70.6	2.3
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°	723.6	23.5
0°-40°	1211.9	39.3
0°-60°	2283.9	74.1
0°-90°	3081.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3081.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	906	906	906	906	906	
5°	906	904	898	905	905	86
15°	880	880	878	887	889	249
25°	832	832	837	852	857	384
35°	759	763	776	797	805	475
45°	664	672	695	727	742	512
55°	543	558	594	634	654	486
65°	400	425	456	487	497	396
75°	233	268	276	272	273	245
85°	57	67	54	50	49	68
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	906	906	906	906	906
2.5°	908	907	900	907	908
5°	906	904	898	905	905
7.5°	902	900	895	902	903
10°	897	895	890	899	899
12.5°	889	888	884	893	895
15°	880	880	878	887	889
17.5°	871	870	870	881	882
20°	859	859	860	872	874
22.5°	846	846	849	863	866
25°	832	832	837	852	857
27.5°	815	817	824	840	845
30°	798	800	809	826	832
32.5°	780	783	794	812	819
35°	759	763	776	797	805
37.5°	738	741	758	781	790
40°	715	719	738	764	775
42.5°	690	697	717	746	759
45°	664	672	695	727	742
47.5°	636	646	672	707	722
50°	607	617	647	685	703
52.5°	576	589	621	661	680
55°	543	558	594	634	654
57.5°	510	529	564	604	623
60°	475	494	531	569	586
62.5°	440	459	496	530	546
65°	400	425	456	487	497
67.5°	363	388	416	438	445
70°	319	349	371	386	391
72.5°	277	309	325	328	332
75°	233	268	276	272	273
77.5°	189	223	221	212	213
80°	143	174	162	154	150
82.5°	98	124	106	96	95
85°	57	67	54	50	49
87.5°	23	26	18	13	12
90°	0	0	0	0	0

(END OF REPORT)