

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: P189654

Luminaire Tested: **BRG-WS-1L35-LD2-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189654
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-1L35-LD2-UNV-24-STD
Description: BRIDGE 2x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 1 (615 mA)
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

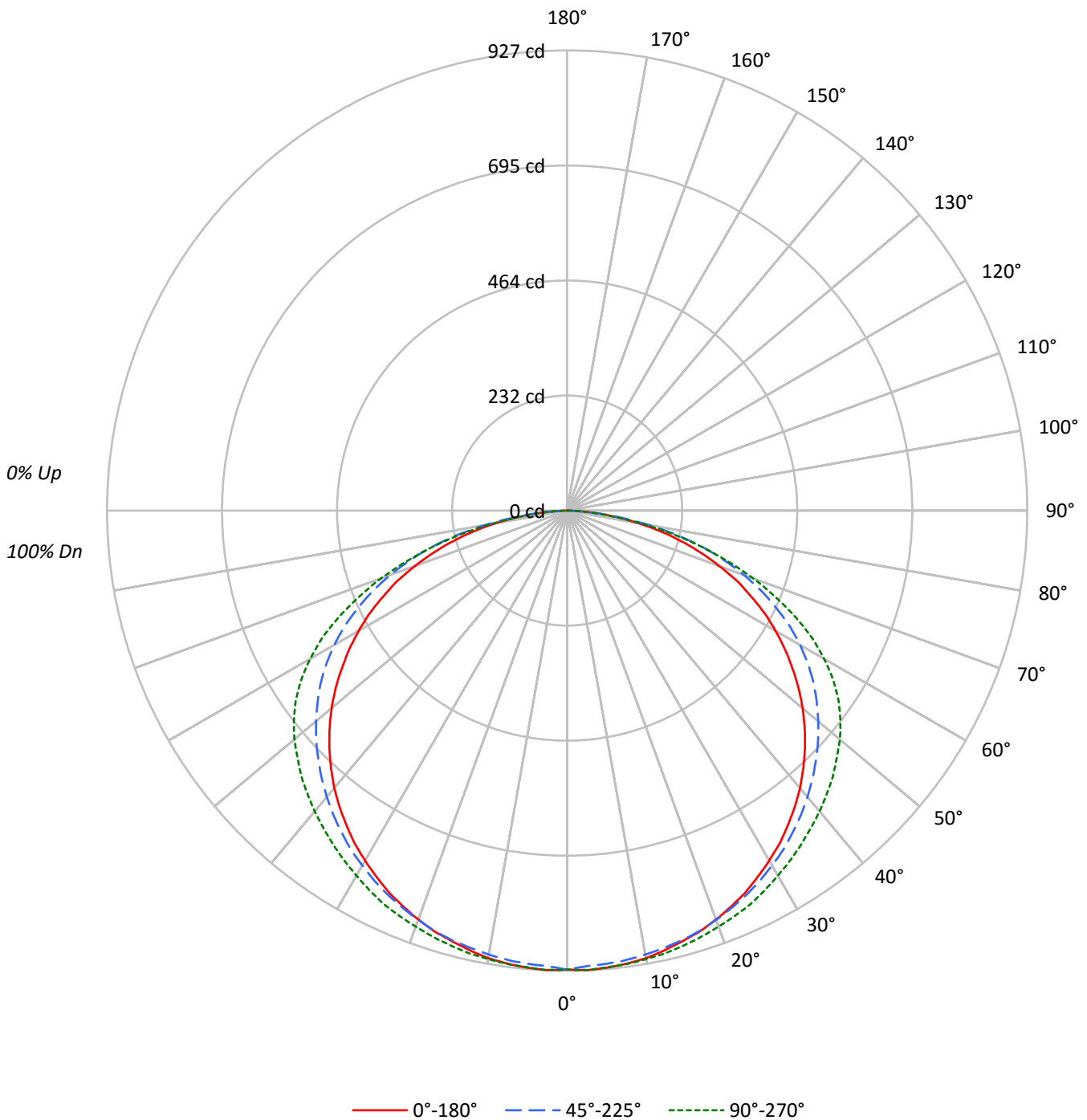
Lumens per Lamp: N/A
Luminaire Lumens: 3145.0 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.37 / 1.48
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	1416	1416	1416
5°	1421	1409	1420
10°	1424	1412	1427
15°	1424	1421	1439
20°	1429	1430	1454
25°	1435	1443	1478
30°	1440	1460	1502
35°	1448	1481	1536
40°	1459	1506	1581
45°	1468	1536	1640
50°	1476	1573	1709
55°	1480	1619	1782
60°	1485	1660	1832
65°	1479	1686	1838
70°	1458	1695	1787
75°	1407	1666	1649
80°	1287	1458	1350
85°	1023	968	879



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	2.8
10°-20°	254.5	8.1
20°-30°	396.2	12.6
30°-40°	498.3	15.8
40°-50°	550.8	17.5
50°-60°	543.2	17.3
60°-70°	456.8	14.5
70°-80°	285.4	9.1
80°-90°	72.1	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°	738.4	23.5
0°-40°	1236.7	39.3
0°-60°	2330.7	74.1
0°-90°	3145.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3145.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	924	924	924	924	924	
5°	924	922	916	924	924	88
15°	898	898	896	905	907	254
25°	849	849	854	869	874	391
35°	774	779	792	813	822	485
45°	678	686	709	742	757	523
55°	554	569	606	647	667	496
65°	408	434	465	497	507	404
75°	238	274	282	278	279	250
85°	58	68	55	51	50	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	924.5	924.5	924.5	924.5	924.5
2.5°	926.6	925.6	918.4	925.6	926.6
5°	924.5	922.5	916.4	923.5	923.5
7.5°	920.5	918.4	913.3	920.5	921.5
10°	915.3	913.3	908.2	917.4	917.4
12.5°	907.2	906.2	902.1	911.3	913.3
15°	898.0	898.0	896.0	905.1	907.2
17.5°	888.8	887.8	887.8	899.0	900.0
20°	876.6	876.6	877.6	889.8	891.9
22.5°	863.3	863.3	866.4	880.7	883.7
25°	849.0	849.0	854.1	869.4	874.5
27.5°	831.7	833.7	840.9	857.2	862.3
30°	814.3	816.4	825.5	842.9	849.0
32.5°	796.0	799.0	810.2	828.6	835.8
35°	774.5	778.6	791.9	813.3	821.5
37.5°	753.1	756.2	773.5	797.0	806.2
40°	729.6	733.7	753.1	779.6	790.9
42.5°	704.1	711.3	731.7	761.3	774.5
45°	677.6	685.7	709.2	741.9	757.2
47.5°	649.0	659.2	685.7	721.5	736.8
50°	619.4	629.6	660.2	699.0	717.4
52.5°	587.8	601.0	633.7	674.5	693.9
55°	554.1	569.4	606.2	647.0	667.4
57.5°	520.4	539.8	575.5	616.4	635.7
60°	484.7	504.1	541.9	580.6	598.0
62.5°	449.0	468.4	506.1	540.8	557.2
65°	408.2	433.7	465.3	497.0	507.2
67.5°	370.4	395.9	424.5	447.0	454.1
70°	325.5	356.1	378.6	393.9	399.0
72.5°	282.7	315.3	331.6	334.7	338.8
75°	237.8	273.5	281.6	277.6	278.6
77.5°	192.9	227.6	225.5	216.3	217.4
80°	145.9	177.6	165.3	157.2	153.1
82.5°	100.0	126.5	108.2	98.0	96.9
85°	58.2	68.4	55.1	51.0	50.0
87.5°	23.5	26.5	18.4	13.3	12.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)