

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: P189699

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189699  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34876)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: BRG-WN-1L35-LD2-UNV-24-STD  
Description: BRIDGE 2x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND NANO PRISM INLAY  
LIGHT LEVEL 1 (615 mA)  
Light Source: (308) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

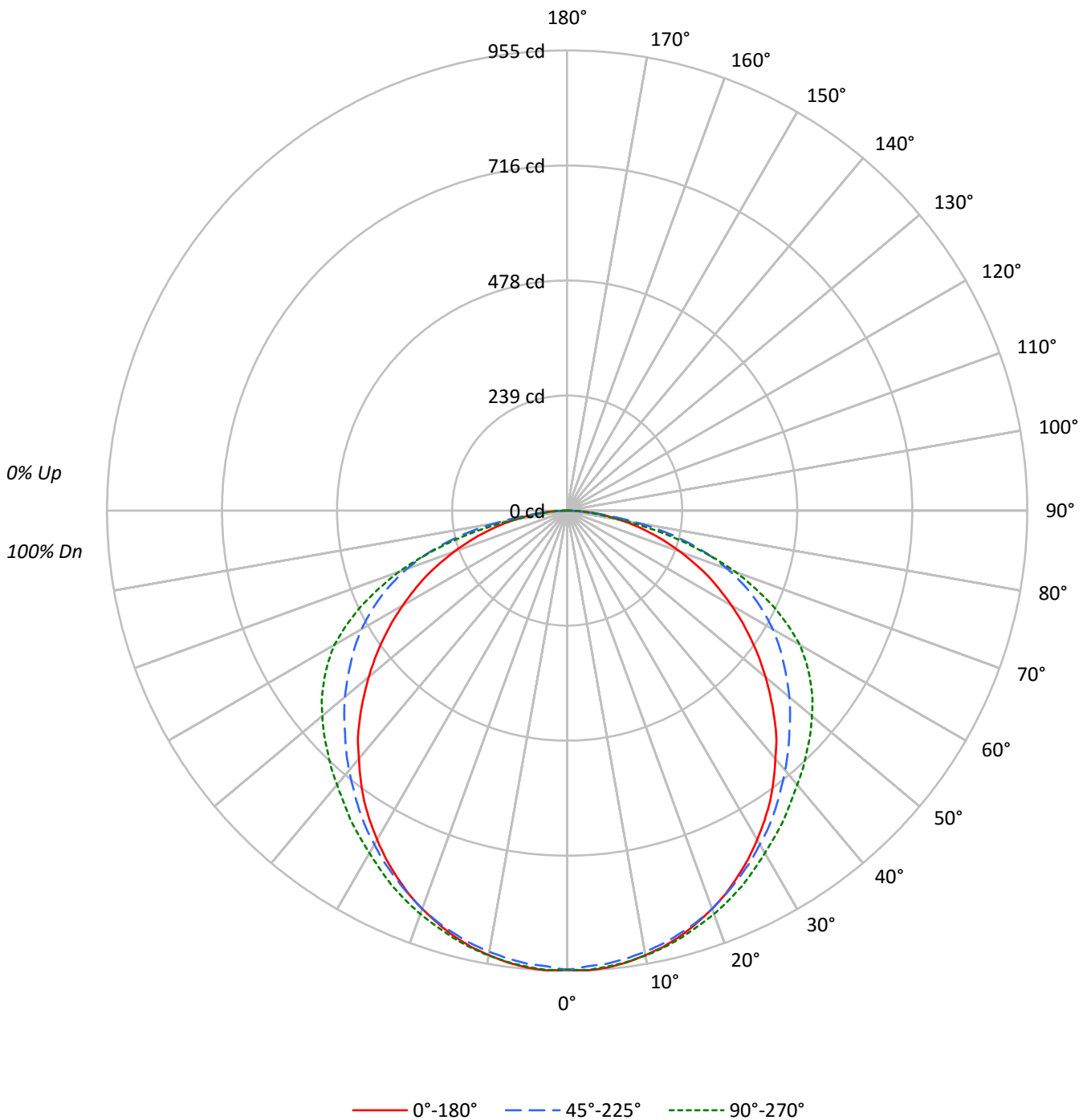
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2934.8 lumens  
Efficiency: N/A  
Efficacy: 108.3 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39  
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 (A<sub>in</sub>): 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	101	97	93	96	93	90	92	90	87	89	87	84	82
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	59	52	65	57	51	62	56	50	60	54	50	47
5	74	61	52	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	49	42	38	35
7	63	49	40	34	62	49	40	34	47	39	34	46	39	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22

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

	0°	45°	90°
0°	1460	1460	1460
5°	1464	1451	1461
10°	1457	1446	1459
15°	1448	1440	1455
20°	1434	1434	1452
25°	1416	1423	1452
30°	1395	1415	1451
35°	1374	1410	1465
40°	1345	1408	1485
45°	1317	1412	1525
50°	1281	1435	1581
55°	1245	1463	1646
60°	1207	1510	1710
65°	1172	1553	1716
70°	1120	1586	1664
75°	1057	1552	1474
80°	991	1350	1026
85°	896	861	735



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.1	3.1
10°-20°	257.7	8.8
20°-30°	390.1	13.3
30°-40°	473.7	16.1
40°-50°	505.8	17.2
50°-60°	488.1	16.6
60°-70°	409.7	14.0
70°-80°	255.2	8.7
80°-90°	64.4	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°	737.9	25.1
0°-40°	1211.6	41.3
0°-60°	2205.4	75.1
0°-90°	2934.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2934.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	953	953	953	953	953	
5°	952	950	944	950	950	90
15°	913	912	908	916	917	257
25°	838	839	842	855	859	386
35°	735	739	754	775	784	459
45°	608	622	652	689	704	469
55°	466	496	548	597	616	417
65°	324	372	429	462	474	319
75°	179	244	262	256	249	189
85°	51	71	49	43	42	57
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	953.1	953.1	953.1	953.1	953.1
2.5°	955.2	953.1	947.0	953.1	954.2
5°	952.1	950.1	944.0	950.1	950.1
7.5°	946.0	944.0	937.8	945.0	945.0
10°	936.8	935.8	929.7	937.8	937.8
12.5°	926.6	925.6	920.5	928.7	928.7
15°	913.3	912.3	908.2	916.4	917.4
17.5°	897.0	897.0	895.0	903.1	904.2
20°	879.7	879.7	879.7	889.9	890.9
22.5°	860.3	859.3	861.3	872.5	875.6
25°	837.8	838.9	841.9	855.2	859.3
27.5°	814.4	816.4	822.5	836.8	839.9
30°	788.8	791.9	800.1	816.4	820.5
32.5°	762.3	766.4	778.6	795.0	802.1
35°	734.8	738.8	754.2	774.6	783.7
37.5°	704.1	710.3	728.6	754.2	762.3
40°	672.5	681.7	704.1	731.7	742.9
42.5°	642.9	652.1	678.6	710.3	724.6
45°	608.2	621.5	652.1	688.8	704.1
47.5°	572.5	590.9	627.6	666.4	684.8
50°	537.8	558.2	602.1	645.0	663.3
52.5°	502.1	528.6	574.5	621.5	641.9
55°	466.4	496.0	548.0	597.0	616.4
57.5°	430.7	467.4	521.5	569.4	588.8
60°	393.9	435.8	492.9	538.8	558.2
62.5°	358.2	404.1	461.3	503.1	517.4
65°	323.5	372.5	428.6	462.3	473.5
67.5°	285.7	341.9	392.9	418.4	422.5
70°	250.0	311.3	354.1	368.4	371.5
72.5°	213.3	279.6	311.3	313.3	311.3
75°	178.6	243.9	262.3	256.1	249.0
77.5°	144.9	207.2	211.2	191.9	184.7
80°	112.3	167.4	153.1	128.6	116.3
82.5°	79.6	123.5	94.9	75.5	70.4
85°	51.0	71.4	49.0	42.9	41.8
87.5°	23.5	26.5	20.4	18.4	18.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)