

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: P189580

Luminaire Tested: **BRG-WS-2L35-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189580
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-2L35-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 2 (635 mA)
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

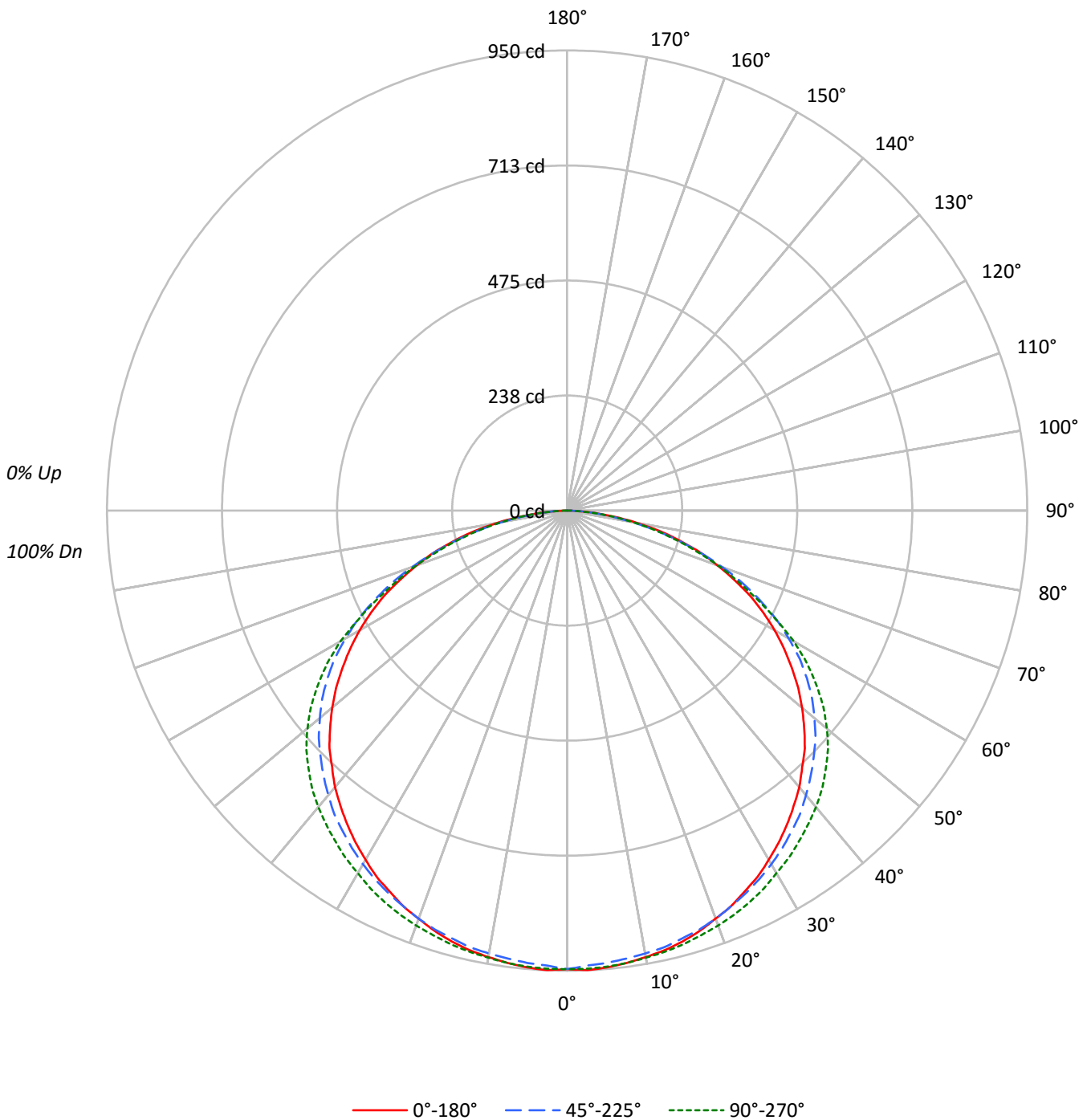
Lumens per Lamp: N/A
Luminaire Lumens: 3102.1 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.36 / 1.47
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P189580
CATALOG NUMBER: BRG-WS-2L35-LD2-UNV-14-STD

Luminous Intensity Polar Plot





TEST NUMBER: P189580

CATALOG NUMBER: BRG-WS-2L35-LD2-UNV-14-STD

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°	2900	2900	2900
5°	2911	2882	2906
10°	2911	2887	2916
15°	2920	2900	2939
20°	2922	2922	2972
25°	2932	2947	3014
30°	2944	2982	3057
35°	2959	3022	3119
40°	2982	3067	3195
45°	3006	3118	3270
50°	3017	3177	3336
55°	3023	3227	3357
60°	3030	3235	3310
65°	3023	3188	3133
70°	2957	3053	2972
75°	2864	2792	2738
80°	2577	2389	2417
85°	2031	1817	1712



TEST NUMBER: P189580

CATALOG NUMBER: BRG-WS-2L35-LD2-UNV-14-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.8	2.9
10°-20°	260.3	8.4
20°-30°	404.8	13.0
30°-40°	508.1	16.4
40°-50°	557.4	18.0
50°-60°	536.3	17.3
60°-70°	427.7	13.8
70°-80°	253.7	8.2
80°-90°	64.1	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°	754.8	24.3
0°-40°	1262.9	40.7
0°-60°	2356.5	76.0
0°-90°	3102.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3102.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	947	947	947	947	947	
5°	947	945	937	945	945	90
15°	921	919	915	925	927	260
25°	867	869	872	887	892	400
35°	791	794	808	828	834	495
45°	694	700	720	746	755	534
55°	566	580	604	622	628	506
65°	417	434	440	434	432	411
75°	242	260	236	231	231	255
85°	58	55	52	49	49	68
90°	0	0	0	0	0	



TEST NUMBER: P189580

CATALOG NUMBER: BRG-WS-2L35-LD2-UNV-14-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	946.6	946.6	946.6	946.6	946.6
2.5°	949.6	948.1	940.5	948.1	946.6
5°	946.6	945.1	937.4	945.1	945.1
7.5°	942.0	940.5	932.9	942.0	942.0
10°	935.9	934.4	928.3	937.4	937.4
12.5°	929.8	928.3	923.8	932.9	932.9
15°	920.7	919.2	914.6	925.3	926.8
17.5°	910.1	908.5	907.0	919.2	919.2
20°	896.4	896.4	896.4	910.1	911.6
22.5°	884.2	884.2	884.2	899.4	902.4
25°	867.4	869.0	872.0	887.2	891.8
27.5°	852.2	852.2	858.3	875.1	879.6
30°	832.4	835.5	843.1	859.8	864.4
32.5°	812.7	817.2	826.4	844.6	850.7
35°	791.4	794.4	808.1	827.9	834.0
37.5°	768.5	773.1	789.8	811.1	817.2
40°	745.7	750.3	767.0	791.4	799.0
42.5°	718.3	725.9	744.2	768.5	779.2
45°	694.0	700.0	719.8	745.7	754.8
47.5°	663.5	672.7	695.5	719.8	730.5
50°	633.1	643.7	666.6	692.4	700.0
52.5°	601.1	613.3	637.6	659.0	666.6
55°	566.1	579.8	604.2	622.4	628.5
57.5°	531.1	547.9	569.2	581.3	587.4
60°	494.6	509.8	528.1	537.2	540.3
62.5°	456.6	471.8	487.0	485.5	485.5
65°	417.0	433.7	439.8	433.7	432.2
67.5°	372.8	392.6	392.6	382.0	380.5
70°	330.2	350.0	340.9	330.2	331.8
72.5°	289.1	307.4	287.6	278.5	280.0
75°	242.0	260.2	235.9	231.3	231.3
77.5°	196.3	208.5	185.7	182.6	184.1
80°	146.1	156.7	135.4	133.9	137.0
82.5°	98.9	102.0	89.8	91.3	94.4
85°	57.8	54.8	51.7	48.7	48.7
87.5°	21.3	21.3	16.7	15.2	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)