

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: P189512

Luminaire Tested: **BRG-WS-5L35-LD2-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189512  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34939)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: BRG-WS-5L35-LD2-UNV-22-STD  
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 5 (845 mA)  
Light Source: (168) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

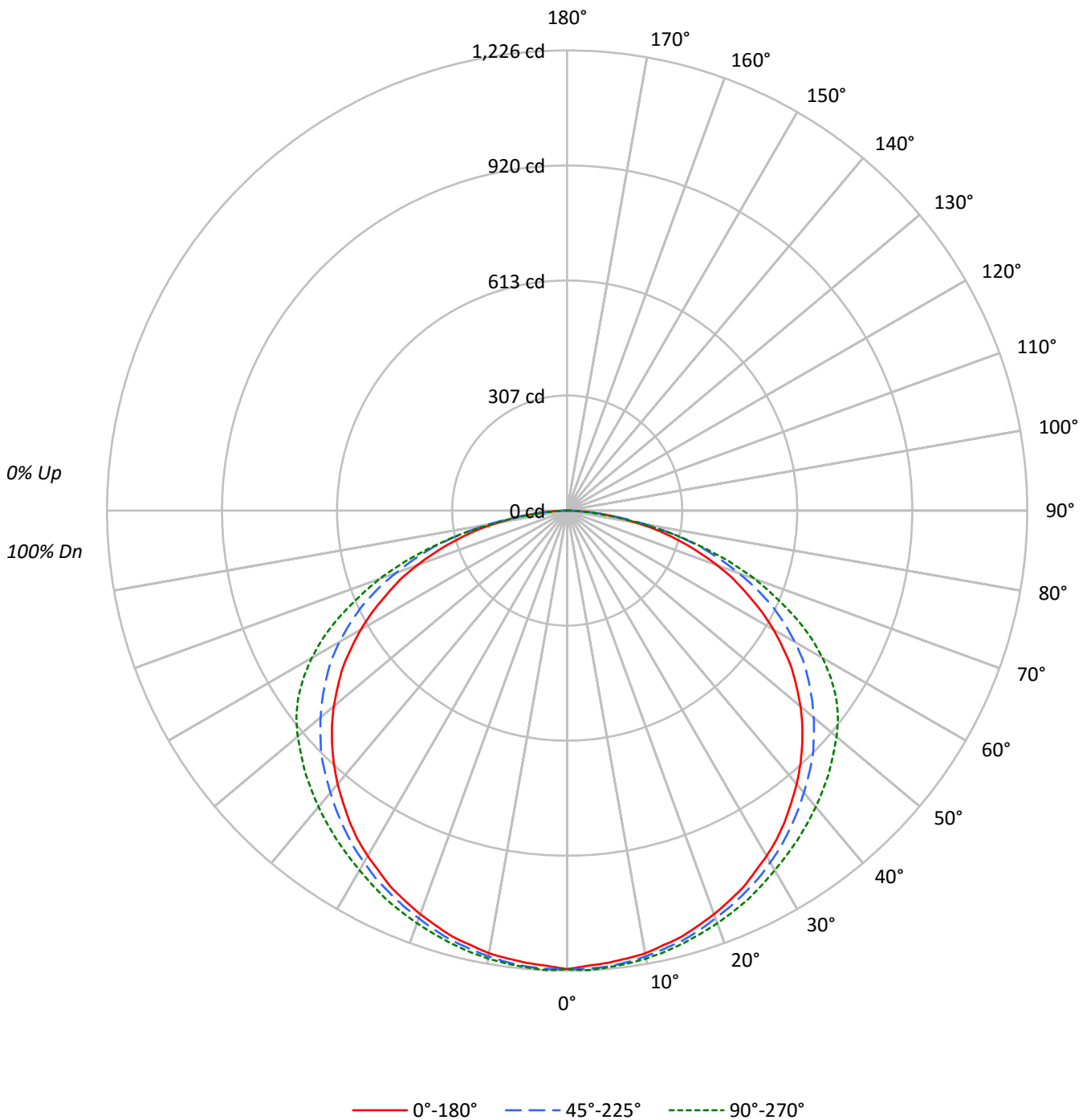
Lumens per Lamp: N/A  
Luminaire Lumens: 4096.0 lumens  
Efficiency: N/A  
Efficacy: 104.8 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.36 / 1.47  
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')  
CIE Type: Direct

Input Watts (W): 39.1  
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: P189512  
CATALOG NUMBER: BRG-WS-5L35-LD2-UNV-22-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P189512

CATALOG NUMBER: BRG-WS-5L35-LD2-UNV-22-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	98	94	105	100	96	92	96	93	89	92	89	87	89	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	47
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	40	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	28	24	35	28	23	34	28	23	21

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

	0°	45°	90°
0°	3913	3913	3913
5°	3890	3921	3928
10°	3895	3921	3941
15°	3899	3932	3959
20°	3899	3940	3988
25°	3917	3966	4036
30°	3929	4003	4091
35°	3952	4046	4186
40°	3977	4101	4309
45°	4010	4191	4470
50°	4045	4273	4670
55°	4078	4377	4889
60°	4066	4487	5034
65°	4026	4569	5066
70°	3987	4546	4975
75°	3816	4482	4555
80°	3486	3890	3670
85°	2851	2778	2414



TEST NUMBER: P189512

CATALOG NUMBER: BRG-WS-5L35-LD2-UNV-22-STD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.8	2.8
10°-20°	334.8	8.2
20°-30°	518.4	12.7
30°-40°	649.9	15.9
40°-50°	717.5	17.5
50°-60°	707.2	17.3
60°-70°	593.2	14.5
70°-80°	367.3	9.0
80°-90°	91.9	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°	968.9	23.7
0°-40°	1618.8	39.5
0°-60°	3043.6	74.3
0°-90°	4096.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4096.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1222	1222	1222	1222	1222	
5°	1210	1214	1220	1222	1222	115
15°	1176	1178	1186	1192	1194	332
25°	1108	1110	1122	1136	1142	511
35°	1011	1015	1035	1059	1071	633
45°	886	894	925	963	987	683
55°	730	740	784	842	876	650
65°	531	557	603	649	669	527
75°	308	340	362	362	368	326
85°	78	88	76	66	66	91
90°	0	0	0	0	0	



TEST NUMBER: P189512

CATALOG NUMBER: BRG-WS-5L35-LD2-UNV-22-STD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1221.8	1221.8	1221.8	1221.8	1221.8
2.5°	1213.9	1217.8	1221.8	1225.8	1225.8
5°	1209.9	1213.9	1219.8	1221.8	1221.8
7.5°	1203.9	1207.9	1213.9	1215.8	1217.8
10°	1197.9	1199.9	1205.9	1209.9	1211.9
12.5°	1186.0	1190.0	1195.9	1201.9	1203.9
15°	1176.0	1178.0	1186.0	1192.0	1194.0
17.5°	1160.1	1164.1	1172.1	1180.0	1182.0
20°	1144.2	1146.2	1156.1	1166.1	1170.1
22.5°	1126.3	1130.3	1140.2	1152.2	1156.1
25°	1108.4	1110.4	1122.3	1136.2	1142.2
27.5°	1084.5	1090.5	1104.4	1116.3	1124.3
30°	1062.6	1066.6	1082.5	1098.4	1106.4
32.5°	1038.7	1042.7	1060.6	1080.5	1088.5
35°	1010.9	1014.9	1034.8	1058.6	1070.6
37.5°	981.0	987.0	1008.9	1036.7	1050.7
40°	951.2	957.2	981.0	1014.9	1030.8
42.5°	919.3	925.3	953.2	991.0	1008.9
45°	885.5	893.5	925.3	963.1	987.0
47.5°	849.7	859.6	891.5	939.2	961.1
50°	811.9	819.8	857.7	909.4	937.3
52.5°	770.1	782.0	821.8	879.5	909.4
55°	730.3	740.3	784.0	841.7	875.6
57.5°	682.5	698.5	746.2	801.9	833.8
60°	634.8	652.7	700.5	756.2	786.0
62.5°	585.0	606.9	652.7	706.4	732.3
65°	531.3	557.2	602.9	648.7	668.6
67.5°	481.6	505.4	547.2	583.0	599.0
70°	425.8	451.7	485.5	515.4	531.3
72.5°	366.1	398.0	423.9	439.8	453.7
75°	308.4	340.3	362.2	362.2	368.1
77.5°	252.7	276.6	288.5	284.6	288.5
80°	189.0	212.9	210.9	203.0	199.0
82.5°	131.3	147.3	139.3	127.4	123.4
85°	77.6	87.6	75.6	65.7	65.7
87.5°	31.8	33.8	23.9	17.9	15.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)