

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: P189562

Luminaire Tested: **BRG-WN-1L35-LD2-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189562
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34865)
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-22-STD
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND NANO PRISM INLAY
LIGHT LEVEL 1 (408 mA)
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

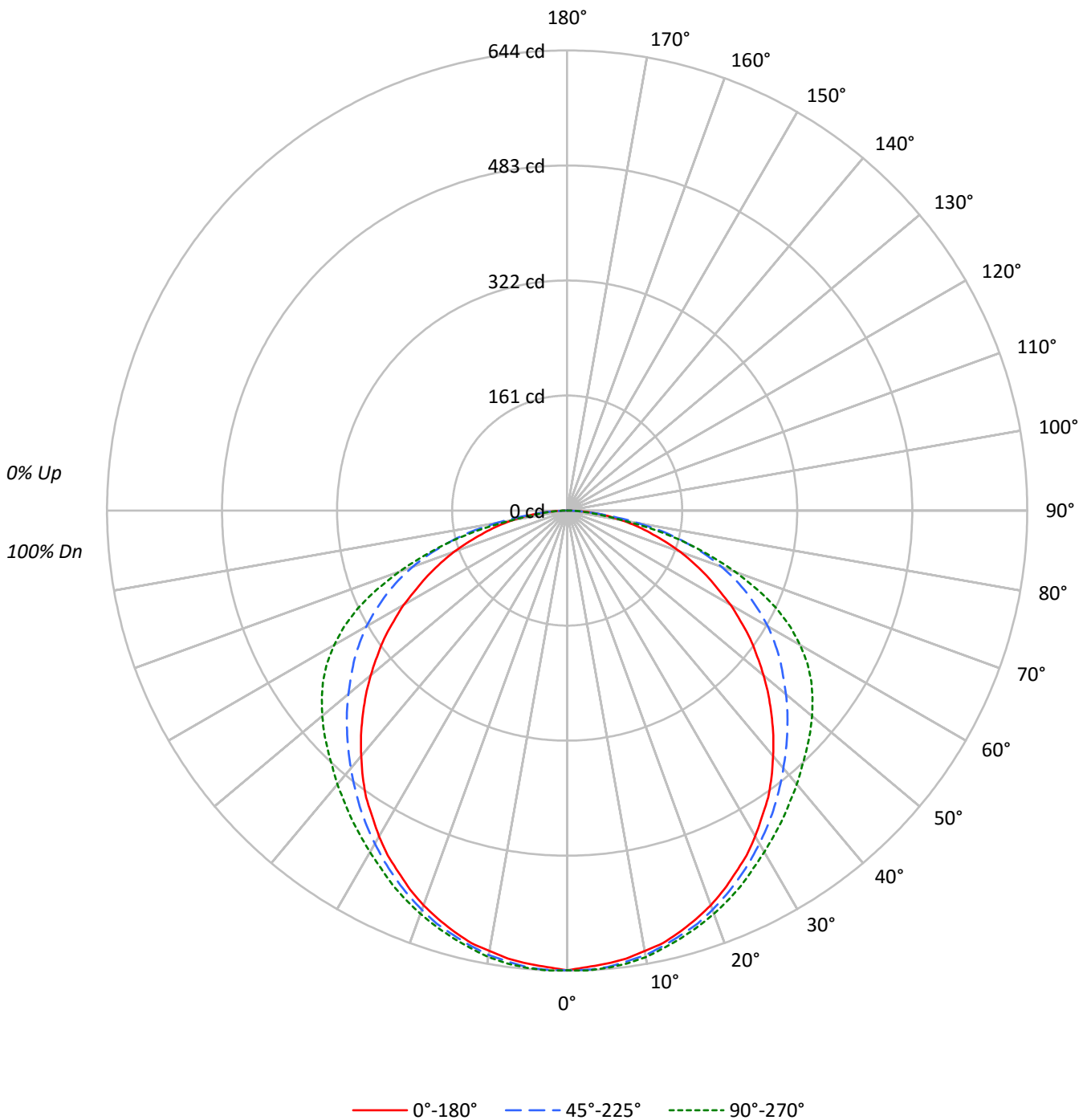
Lumens per Lamp: N/A
Luminaire Lumens: 1957.7 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 18.6
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: P189562
CATALOG NUMBER: BRG-WN-1L35-LD2-UNV-22-STD

Luminous Intensity Polar Plot





TEST NUMBER: P189562

CATALOG NUMBER: BRG-WN-1L35-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	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
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	65	60	68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	36	31	57	45	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2060	2060	2060
5°	2046	2062	2065
10°	2035	2054	2064
15°	2023	2039	2052
20°	2003	2026	2047
25°	1973	2008	2042
30°	1947	1990	2040
35°	1917	1978	2058
40°	1875	1968	2091
45°	1832	1973	2145
50°	1787	1991	2229
55°	1747	2030	2329
60°	1692	2079	2410
65°	1632	2120	2445
70°	1570	2154	2336
75°	1484	2111	2099
80°	1420	1852	1457
85°	1326	1326	1073



TEST NUMBER: P189562

CATALOG NUMBER: BRG-WN-1L35-LD2-UNV-22-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	3.1
10°-20°	173.5	8.9
20°-30°	262.0	13.4
30°-40°	317.3	16.2
40°-50°	337.9	17.3
50°-60°	325.0	16.6
60°-70°	271.4	13.9
70°-80°	167.4	8.6
80°-90°	42.4	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°	496.3	25.4
0°-40°	813.6	41.6
0°-60°	1476.5	75.4
0°-90°	1957.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1957.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	643	643	643	643	643	
5°	636	638	641	642	642	60
15°	610	612	615	618	619	172
25°	558	562	568	575	578	258
35°	490	494	506	520	526	306
45°	404	413	436	461	474	312
55°	313	328	364	400	417	279
65°	215	244	280	309	323	213
75°	120	152	171	172	170	128
85°	36	44	36	30	29	40
90°	0	0	0	0	0	



TEST NUMBER: P189562

CATALOG NUMBER: BRG-WN-1L35-LD2-UNV-22-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	643.3	643.3	643.3	643.3	643.3
2.5°	639.4	640.4	643.3	644.3	644.3
5°	636.5	638.5	641.4	642.4	642.4
7.5°	632.6	633.6	636.5	638.5	639.4
10°	625.8	627.7	631.6	633.6	634.6
12.5°	619.9	619.9	623.8	626.8	626.8
15°	610.2	612.1	615.1	618.0	619.0
17.5°	599.5	601.4	606.3	609.2	610.2
20°	587.8	589.7	594.6	598.5	600.5
22.5°	574.1	576.1	581.9	587.8	589.7
25°	558.5	561.5	568.3	575.1	578.0
27.5°	543.9	545.9	553.7	561.5	564.4
30°	526.4	529.3	538.1	547.8	551.7
32.5°	507.8	512.7	522.5	534.2	539.0
35°	490.3	494.2	505.9	519.5	526.4
37.5°	469.8	474.7	488.4	504.9	512.7
40°	448.4	454.2	470.8	489.3	500.1
42.5°	426.9	434.7	453.3	475.7	486.4
45°	404.5	413.3	435.7	461.1	473.7
47.5°	382.1	392.8	418.2	446.4	461.1
50°	358.7	371.4	399.7	431.8	447.4
52.5°	335.3	349.9	381.1	415.2	432.8
55°	312.9	328.5	363.6	399.7	417.2
57.5°	287.6	306.1	344.1	380.2	398.7
60°	264.2	285.6	324.6	359.7	376.3
62.5°	237.8	265.1	302.2	337.3	351.9
65°	215.4	243.7	279.8	309.0	322.6
67.5°	191.1	221.3	256.4	279.8	287.6
70°	167.7	198.9	230.0	245.6	249.5
72.5°	143.3	176.4	201.8	210.5	209.6
75°	119.9	152.1	170.6	171.6	169.6
77.5°	98.5	126.7	139.4	131.6	127.7
80°	77.0	99.4	100.4	87.7	79.0
82.5°	56.5	72.1	64.3	52.6	47.8
85°	36.1	43.9	36.1	30.2	29.2
87.5°	15.6	17.5	13.6	12.7	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)