

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: P189545

Luminaire Tested: **BRG-WD-2L35-LD2-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189545
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34970)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WD-2L35-LD2-UNV-22-STD
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND ROUND PERF INLAY
LIGHT LEVEL 2 (506 mA)
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

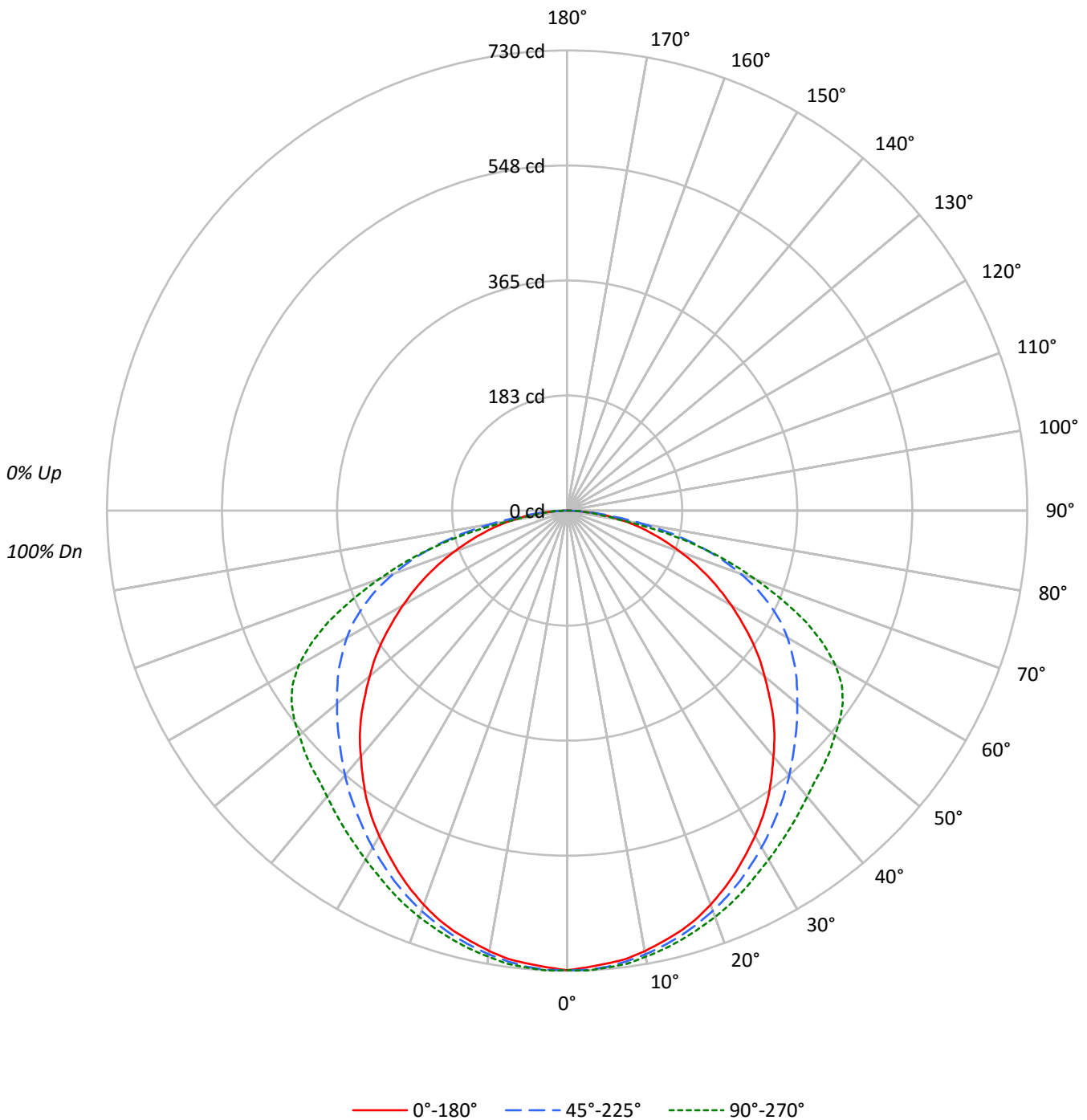
Lumens per Lamp: N/A
Luminaire Lumens: 2320.5 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.42
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 23.1
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: P189545
CATALOG NUMBER: BRG-WD-2L35-LD2-UNV-22-STD

Luminous Intensity Polar Plot





TEST NUMBER: P189545

CATALOG NUMBER: BRG-WD-2L35-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	101	96	93	96	93	90	92	89	87	89	86	84	82
2	97	89	81	75	95	87	80	74	83	77	73	80	75	71	77	73	69	67
3	88	77	69	62	86	76	68	61	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	78	67	58	51	64	56	50	62	55	50	59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37	35
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33	30
8	59	45	36	30	57	44	35	30	42	35	29	41	34	29	40	34	29	27
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26	24
10	51	38	29	24	50	37	29	24	36	29	24	35	28	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2335	2335	2335
5°	2319	2336	2340
10°	2308	2324	2337
15°	2292	2314	2335
20°	2267	2303	2338
25°	2236	2291	2346
30°	2205	2282	2364
35°	2173	2280	2407
40°	2128	2291	2477
45°	2093	2317	2601
50°	2037	2374	2763
55°	1992	2472	2980
60°	1927	2585	3152
65°	1865	2693	3167
70°	1780	2743	2963
75°	1708	2674	2610
80°	1632	2281	1608
85°	1437	1532	1194



TEST NUMBER: P189545

CATALOG NUMBER: BRG-WD-2L35-LD2-UNV-22-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	3.0
10°-20°	196.9	8.5
20°-30°	298.9	12.9
30°-40°	366.1	15.8
40°-50°	397.6	17.1
50°-60°	396.0	17.1
60°-70°	339.3	14.6
70°-80°	207.3	8.9
80°-90°	49.4	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°	564.7	24.3
0°-40°	930.8	40.1
0°-60°	1724.4	74.3
0°-90°	2320.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2320.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	729	729	729	729	729	
5°	721	724	726	728	728	69
15°	691	693	698	703	704	195
25°	633	637	648	659	664	292
35°	556	562	583	605	616	347
45°	462	475	512	552	574	356
55°	357	384	443	503	534	318
65°	246	292	355	401	418	243
75°	138	190	216	216	211	147
85°	39	52	42	35	32	44
90°	0	0	0	0	0	



TEST NUMBER: P189545

CATALOG NUMBER: BRG-WD-2L35-LD2-UNV-22-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	729.1	729.1	729.1	729.1	729.1
2.5°	725.2	726.5	729.1	730.4	730.4
5°	721.3	723.9	726.5	727.8	727.8
7.5°	717.4	718.7	721.3	723.9	725.2
10°	709.6	710.9	714.8	718.7	718.7
12.5°	700.5	703.1	707.0	710.9	712.2
15°	691.3	692.6	697.9	703.1	704.4
17.5°	679.6	680.9	687.4	693.9	695.3
20°	665.3	667.9	675.7	682.2	686.1
22.5°	649.7	652.3	662.7	671.8	675.7
25°	632.8	636.7	648.4	658.8	664.0
27.5°	614.5	619.7	632.8	645.8	651.0
30°	596.3	601.5	617.1	632.8	639.3
32.5°	576.8	583.3	600.2	618.4	627.5
35°	555.9	562.4	583.3	605.4	615.8
37.5°	532.5	542.9	566.4	592.4	604.1
40°	509.1	520.8	548.1	578.1	592.4
42.5°	486.9	498.7	529.9	565.1	582.0
45°	462.2	475.2	511.7	552.0	574.2
47.5°	434.9	453.1	494.7	540.3	565.1
50°	408.8	429.6	476.5	528.6	554.6
52.5°	384.1	407.5	459.6	516.9	545.5
55°	356.7	384.1	442.7	502.6	533.8
57.5°	328.1	360.6	423.1	485.6	516.9
60°	300.8	337.2	403.6	464.8	492.1
62.5°	273.4	316.4	381.5	437.5	458.3
65°	246.1	291.6	355.4	401.0	417.9
67.5°	218.7	269.5	326.8	359.3	368.5
70°	190.1	243.5	292.9	312.5	316.4
72.5°	164.0	217.4	256.5	265.6	266.9
75°	138.0	190.1	216.1	216.1	210.9
77.5°	114.6	158.8	171.9	161.4	152.3
80°	88.5	122.4	123.7	100.3	87.2
82.5°	63.8	87.2	76.8	59.9	53.4
85°	39.1	52.1	41.7	35.2	32.5
87.5°	14.3	16.9	14.3	15.6	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)