

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: P189508

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189508
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-1L35-LD2-UNV-22-STD
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 1 (408 mA)
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

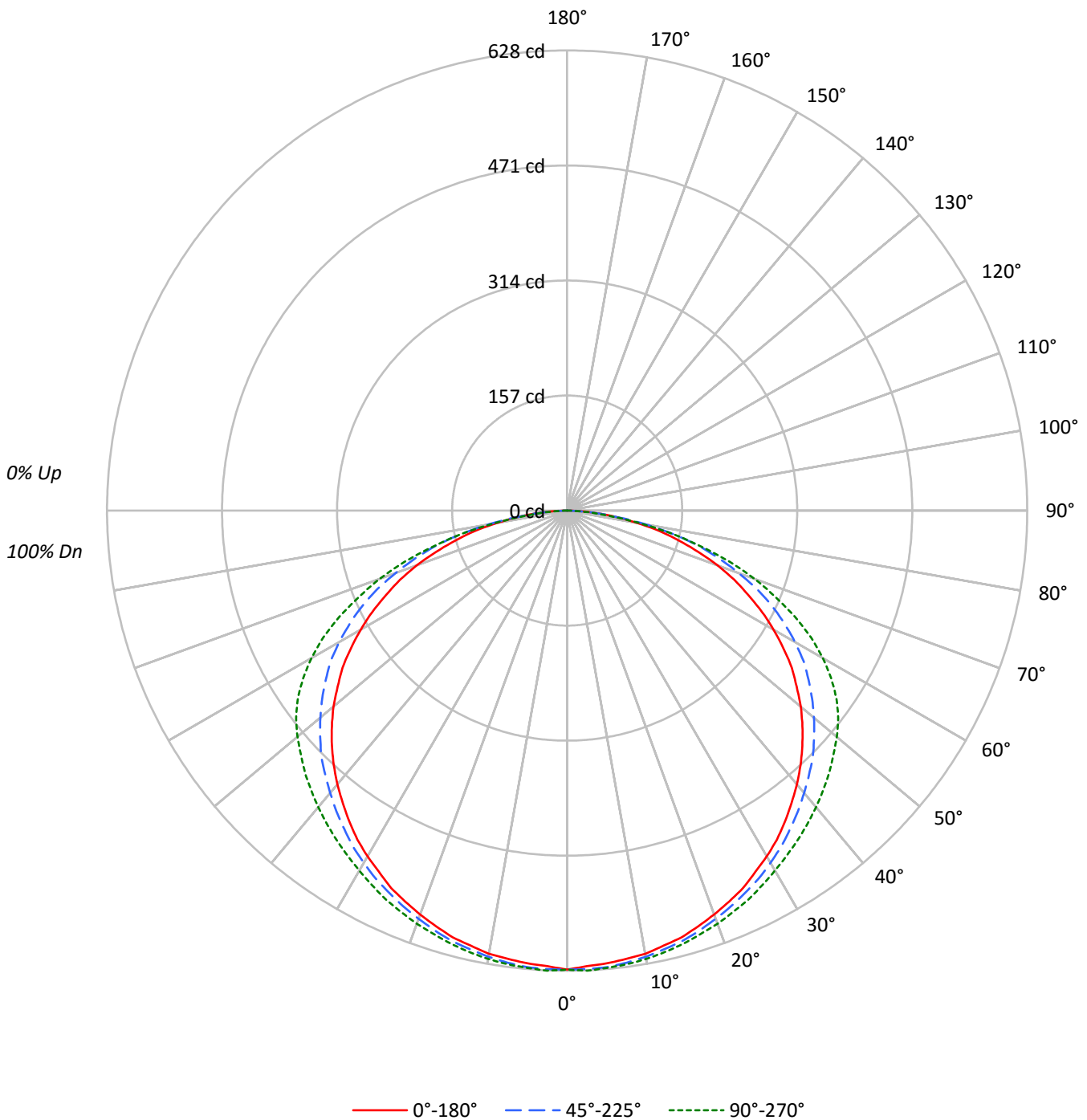
Lumens per Lamp: N/A
Luminaire Lumens: 2100.0 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.36 / 1.47
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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



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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	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°	2006	2006	2006
5°	1994	2010	2014
10°	1997	2011	2020
15°	1999	2016	2029
20°	1999	2020	2044
25°	2008	2033	2069
30°	2015	2052	2098
35°	2026	2074	2146
40°	2039	2103	2209
45°	2056	2149	2292
50°	2074	2191	2394
55°	2090	2245	2506
60°	2085	2300	2581
65°	2064	2342	2598
70°	2044	2331	2551
75°	1956	2298	2335
80°	1787	1994	1881
85°	1462	1426	1238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	2.8
10°-20°	171.6	8.2
20°-30°	265.8	12.7
30°-40°	333.2	15.9
40°-50°	367.9	17.5
50°-60°	362.6	17.3
60°-70°	304.1	14.5
70°-80°	188.3	9.0
80°-90°	47.1	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°	496.8	23.7
0°-40°	830.0	39.5
0°-60°	1560.5	74.3
0°-90°	2100.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2100.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	626	626	626	626	626	
5°	620	622	625	626	626	59
15°	603	604	608	611	612	170
25°	568	569	575	583	586	262
35°	518	520	530	543	549	324
45°	454	458	474	494	506	350
55°	374	380	402	432	449	333
65°	272	286	309	333	343	270
75°	158	174	186	186	189	167
85°	40	45	39	34	34	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	626.4	626.4	626.4	626.4	626.4
2.5°	622.3	624.4	626.4	628.5	628.5
5°	620.3	622.3	625.4	626.4	626.4
7.5°	617.2	619.3	622.3	623.4	624.4
10°	614.2	615.2	618.3	620.3	621.3
12.5°	608.1	610.1	613.2	616.2	617.2
15°	603.0	604.0	608.1	611.1	612.1
17.5°	594.8	596.8	600.9	605.0	606.0
20°	586.6	587.7	592.8	597.9	599.9
22.5°	577.5	579.5	584.6	590.7	592.8
25°	568.3	569.3	575.4	582.6	585.6
27.5°	556.0	559.1	566.2	572.4	576.4
30°	544.8	546.9	555.0	563.2	567.3
32.5°	532.6	534.6	543.8	554.0	558.1
35°	518.3	520.3	530.5	542.8	548.9
37.5°	503.0	506.0	517.3	531.5	538.7
40°	487.7	490.7	503.0	520.3	528.5
42.5°	471.4	474.4	488.7	508.1	517.3
45°	454.0	458.1	474.4	493.8	506.0
47.5°	435.6	440.7	457.1	481.6	492.8
50°	416.3	420.3	439.7	466.3	480.5
52.5°	394.8	401.0	421.4	450.9	466.3
55°	374.4	379.5	402.0	431.6	448.9
57.5°	349.9	358.1	382.6	411.2	427.5
60°	325.5	334.6	359.1	387.7	403.0
62.5°	300.0	311.2	334.6	362.2	375.4
65°	272.4	285.7	309.1	332.6	342.8
67.5°	246.9	259.1	280.6	298.9	307.1
70°	218.3	231.6	248.9	264.2	272.4
72.5°	187.7	204.0	217.3	225.5	232.6
75°	158.1	174.5	185.7	185.7	188.7
77.5°	129.6	141.8	147.9	145.9	147.9
80°	96.9	109.2	108.1	104.1	102.0
82.5°	67.3	75.5	71.4	65.3	63.3
85°	39.8	44.9	38.8	33.7	33.7
87.5°	16.3	17.3	12.2	9.2	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)