

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: P189563

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189563
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-2L35-LD2-UNV-22-STD
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND NANO PRISM 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: 2398.1 lumens
Efficiency: N/A
Efficacy: 103.8 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

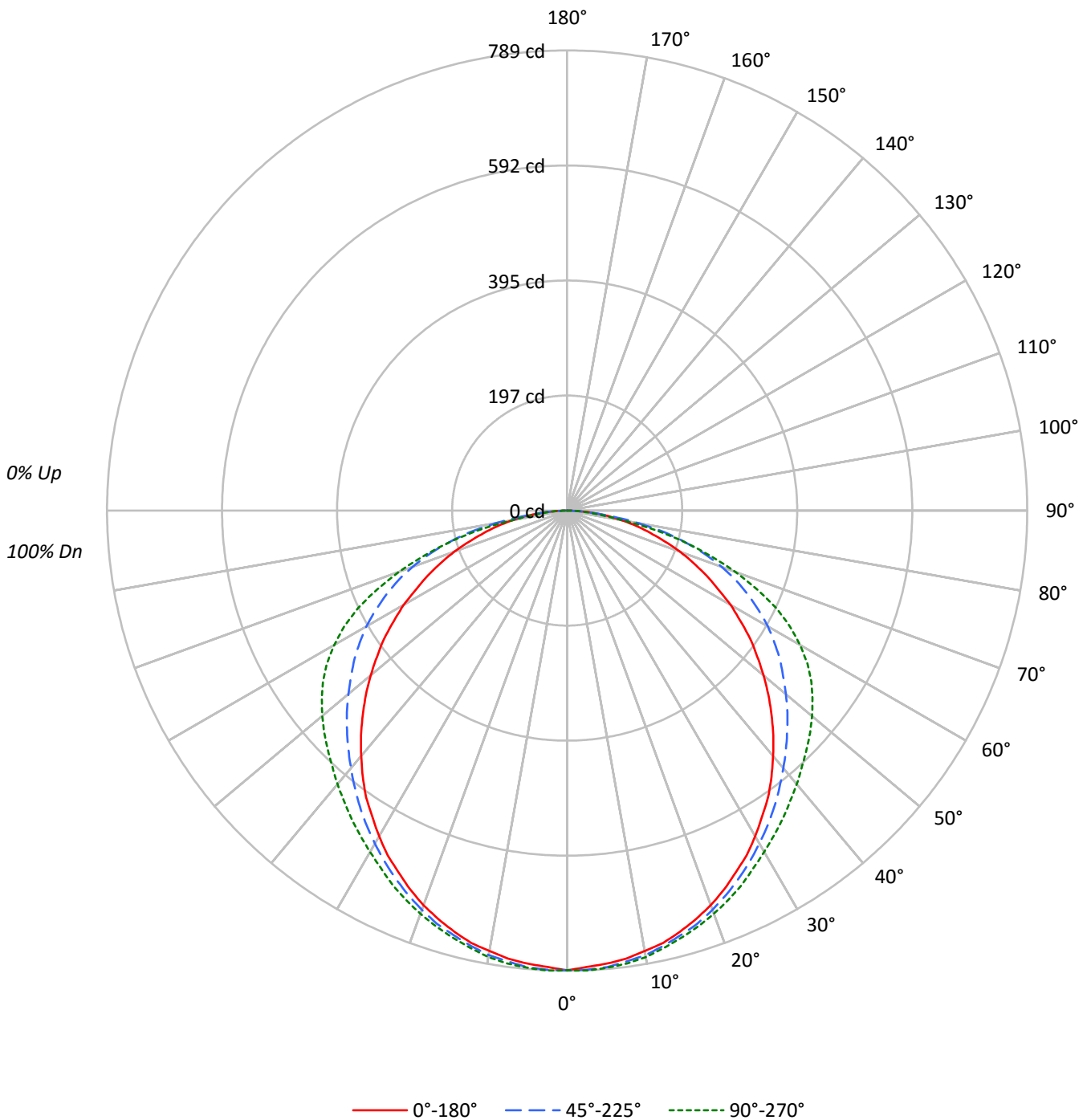
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2524	2524	2524
5°	2507	2526	2530
10°	2493	2516	2528
15°	2478	2498	2514
20°	2454	2482	2507
25°	2418	2460	2502
30°	2384	2437	2499
35°	2348	2423	2521
40°	2296	2411	2561
45°	2244	2417	2628
50°	2189	2439	2731
55°	2140	2487	2854
60°	2073	2547	2952
65°	2000	2597	2995
70°	1923	2639	2862
75°	1818	2586	2571
80°	1739	2268	1783
85°	1624	1624	1315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	3.1
10°-20°	212.6	8.9
20°-30°	320.9	13.4
30°-40°	388.6	16.2
40°-50°	413.9	17.3
50°-60°	398.2	16.6
60°-70°	332.4	13.9
70°-80°	205.1	8.6
80°-90°	52.0	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°	608.0	25.4
0°-40°	996.6	41.6
0°-60°	1808.7	75.4
0°-90°	2398.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2398.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	788	788	788	788	788	
5°	780	782	786	787	787	74
15°	748	750	753	757	758	211
25°	684	688	696	704	708	316
35°	601	605	620	636	645	375
45°	496	506	534	565	580	382
55°	383	402	445	490	511	342
65°	264	298	343	378	395	261
75°	147	186	209	210	208	156
85°	44	54	44	37	36	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	788.1	788.1	788.1	788.1	788.1
2.5°	783.3	784.5	788.1	789.3	789.3
5°	779.7	782.1	785.7	786.9	786.9
7.5°	774.9	776.1	779.7	782.1	783.3
10°	766.6	769.0	773.7	776.1	777.3
12.5°	759.4	759.4	764.2	767.8	767.8
15°	747.5	749.9	753.4	757.0	758.2
17.5°	734.3	736.7	742.7	746.3	747.5
20°	720.0	722.4	728.4	733.2	735.5
22.5°	703.3	705.7	712.9	720.0	722.4
25°	684.2	687.8	696.1	704.5	708.1
27.5°	666.3	668.7	678.2	687.8	691.4
30°	644.8	648.4	659.1	671.1	675.8
32.5°	622.1	628.1	640.0	654.3	660.3
35°	600.6	605.4	619.7	636.4	644.8
37.5°	575.5	581.5	598.2	618.5	628.1
40°	549.3	556.4	576.7	599.4	612.6
42.5°	523.0	532.5	555.2	582.7	595.8
45°	495.5	506.3	533.7	564.8	580.3
47.5°	468.1	481.2	512.2	546.9	564.8
50°	439.4	454.9	489.6	529.0	548.1
52.5°	410.8	428.7	466.9	508.7	530.2
55°	383.3	402.4	445.4	489.6	511.1
57.5°	352.2	374.9	421.5	465.7	488.4
60°	323.6	349.9	397.6	440.6	460.9
62.5°	291.3	324.8	370.2	413.1	431.1
65°	263.9	298.5	342.7	378.5	395.2
67.5°	234.0	271.1	314.0	342.7	352.2
70°	205.4	243.6	281.8	300.9	305.7
72.5°	175.5	216.1	247.2	257.9	256.7
75°	146.9	186.3	209.0	210.2	207.8
77.5°	120.6	155.2	170.7	161.2	156.4
80°	94.3	121.8	123.0	107.5	96.7
82.5°	69.3	88.4	78.8	64.5	58.5
85°	44.2	53.7	44.2	37.0	35.8
87.5°	19.1	21.5	16.7	15.5	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)