

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: P189526

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189526
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34863)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WG-1L35-LD2-UNV-22-STD
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND
RECTANGULAR PERF 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: 1899.2 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

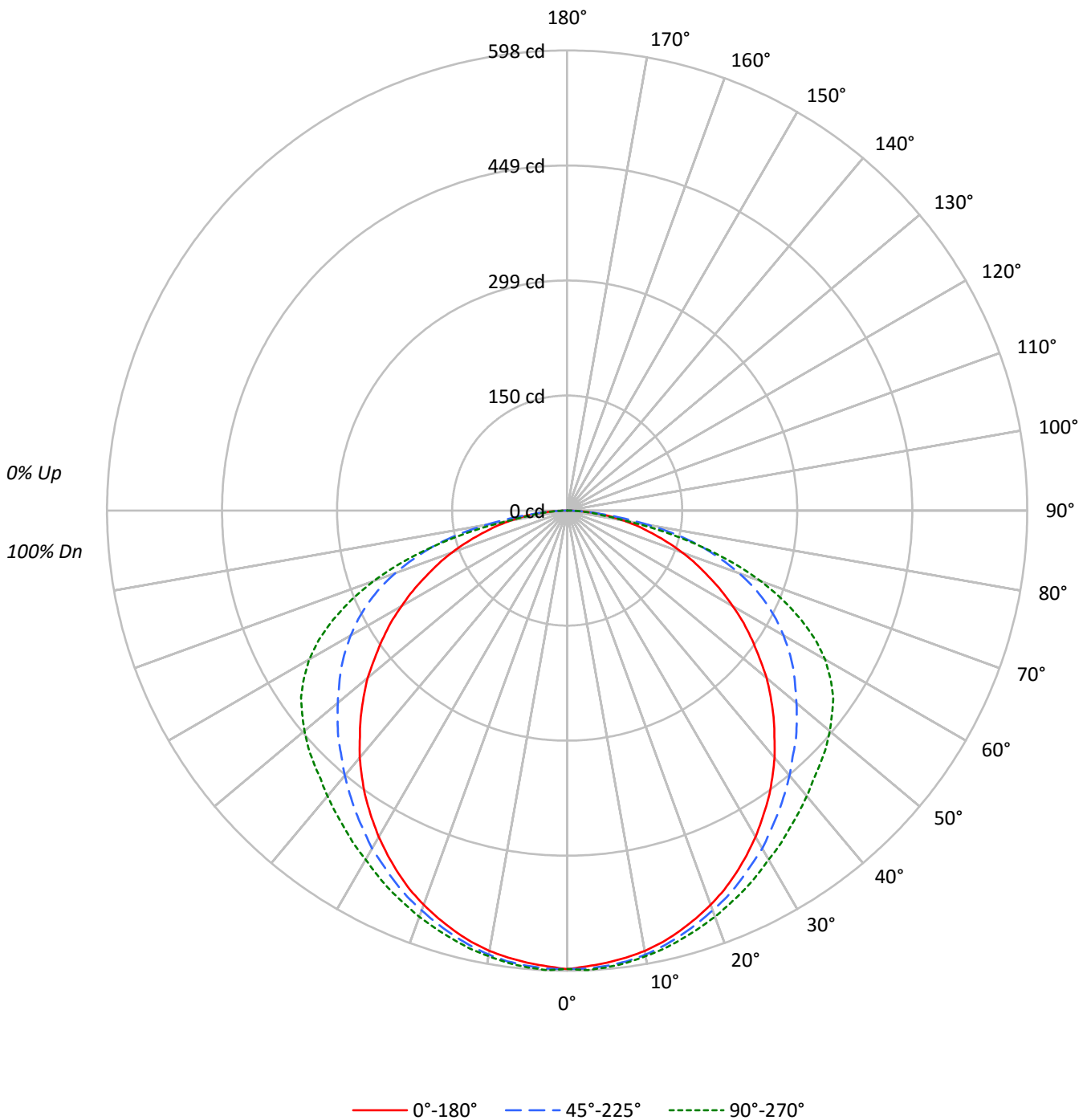
Input Watts (W): 18.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	108	103	98	94	105	100	96	92	96	93	89	92	89	87	89	86	84
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69
3	88	77	68	62	86	75	67	61	72	66	60	70	64	59	67	62	58
4	81	68	59	52	78	67	58	51	64	56	50	62	55	50	59	54	49
5	74	60	51	44	72	59	50	44	57	49	43	55	48	43	53	47	42
6	68	54	45	38	66	53	44	38	51	43	38	50	43	37	48	42	37
7	63	49	40	33	61	48	39	33	47	39	33	45	38	33	44	37	33
8	59	45	36	30	57	44	35	30	42	35	29	41	34	29	40	34	29
9	55	41	32	27	53	40	32	27	39	32	26	38	31	26	37	31	26
10	51	38	29	24	50	37	29	24	36	29	24	35	28	24	34	28	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1908	1908	1908
5°	1896	1909	1915
10°	1890	1906	1912
15°	1875	1894	1911
20°	1858	1884	1914
25°	1836	1878	1923
30°	1810	1875	1936
35°	1784	1872	1971
40°	1753	1879	2026
45°	1718	1904	2106
50°	1686	1939	2220
55°	1639	2003	2357
60°	1592	2080	2479
65°	1537	2165	2542
70°	1488	2228	2510
75°	1412	2245	2232
80°	1367	1979	1457
85°	1253	1396	1077



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	3.0
10°-20°	161.2	8.5
20°-30°	245.1	12.9
30°-40°	300.2	15.8
40°-50°	325.1	17.1
50°-60°	319.9	16.8
60°-70°	274.5	14.5
70°-80°	173.1	9.1
80°-90°	43.6	2.3
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°	462.8	24.4
0°-40°	763.0	40.2
0°-60°	1408.0	74.1
0°-90°	1899.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1899.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	596	596	596	596	596	
5°	590	592	594	595	596	56
15°	566	568	571	575	576	160
25°	520	523	531	540	544	239
35°	456	462	479	496	504	285
45°	379	391	420	450	465	293
55°	294	315	359	401	422	263
65°	203	238	286	321	335	201
75°	114	154	181	182	180	122
85°	34	47	38	30	29	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	595.8	595.8	595.8	595.8	595.8
2.5°	592.8	593.8	595.8	597.7	597.7
5°	589.9	591.9	593.8	594.8	595.8
7.5°	586.0	588.0	590.9	591.9	592.8
10°	581.1	582.1	586.0	588.0	588.0
12.5°	574.3	575.3	579.2	582.1	583.1
15°	565.5	567.5	571.4	575.3	576.3
17.5°	555.8	557.7	562.6	567.5	569.4
20°	545.1	547.0	552.9	558.7	561.6
22.5°	533.4	536.3	543.1	549.9	552.9
25°	519.7	522.6	531.4	540.2	544.1
27.5°	505.1	510.0	518.7	529.5	534.3
30°	489.5	494.4	507.0	518.7	523.6
32.5°	472.9	478.8	492.4	507.0	514.8
35°	456.3	462.2	478.8	496.3	504.1
37.5°	437.8	445.6	464.1	484.6	494.4
40°	419.3	428.1	449.5	472.9	484.6
42.5°	398.8	408.6	433.9	461.2	473.9
45°	379.3	391.0	420.3	450.5	465.1
47.5°	358.8	372.5	404.7	438.8	456.3
50°	338.4	353.0	389.1	427.1	445.6
52.5°	315.0	334.5	373.5	414.4	433.9
55°	293.5	315.0	358.8	400.8	422.2
57.5°	272.0	296.4	342.3	385.2	405.6
60°	248.6	276.9	324.7	366.6	387.1
62.5°	226.2	258.4	306.2	346.2	363.7
65°	202.8	237.9	285.7	320.8	335.4
67.5°	181.4	218.4	263.3	292.5	303.2
70°	158.9	198.9	237.9	259.4	268.1
72.5°	136.5	176.5	209.6	222.3	226.2
75°	114.1	154.1	181.4	182.3	180.4
77.5°	94.6	129.7	146.3	137.5	132.6
80°	74.1	104.3	107.3	89.7	79.0
82.5°	54.6	74.1	67.3	52.7	45.8
85°	34.1	46.8	38.0	30.2	29.3
87.5°	15.6	17.6	14.6	14.6	14.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)