

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: P189609

Luminaire Tested: **BRG-WD-1L35-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34884)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WD-1L35-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND ROUND PERF INLAY
LIGHT LEVEL 1 (425 mA)
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

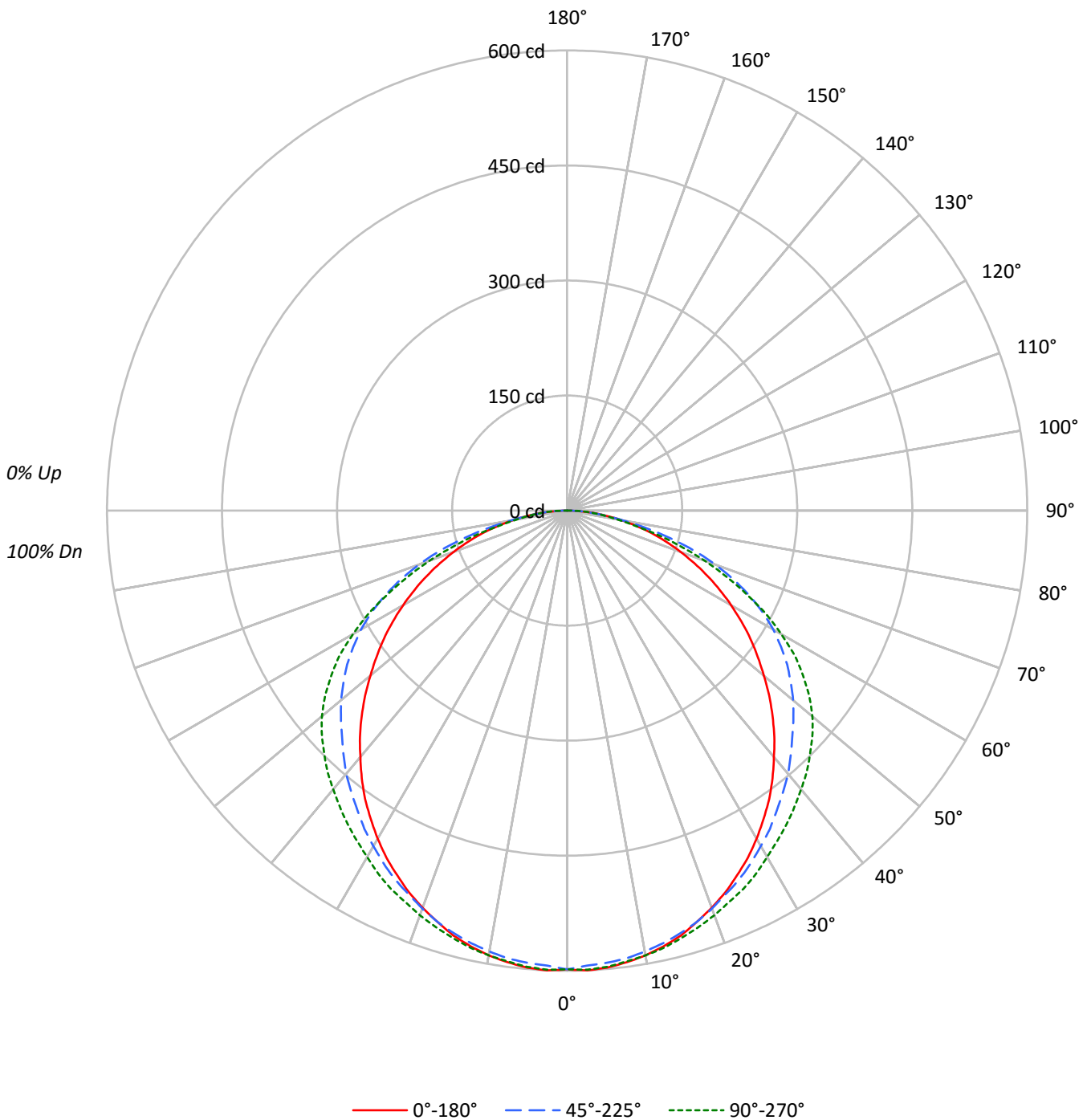
Lumens per Lamp: N/A
Luminaire Lumens: 1814.3 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.41
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 18.7
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	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	82	76	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	62	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	61	55	50	48
5	75	61	52	45	73	60	52	45	58	51	45	56	49	44	54	48	44	41
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	32	27	25
10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1832	1832	1832
5°	1839	1820	1836
10°	1832	1816	1832
15°	1819	1810	1829
20°	1797	1800	1830
25°	1773	1794	1839
30°	1747	1787	1845
35°	1718	1783	1866
40°	1677	1792	1898
45°	1641	1800	1941
50°	1596	1834	1990
55°	1559	1870	2006
60°	1513	1901	1976
65°	1465	1901	1872
70°	1408	1838	1710
75°	1353	1643	1450
80°	1260	1314	1170
85°	1149	1075	1111



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	3.1
10°-20°	161.9	8.9
20°-30°	245.7	13.5
30°-40°	299.5	16.5
40°-50°	320.6	17.7
50°-60°	305.7	16.8
60°-70°	244.6	13.5
70°-80°	141.7	7.8
80°-90°	38.0	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°	464.2	25.6
0°-40°	763.7	42.1
0°-60°	1390.0	76.6
0°-90°	1814.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1814.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	598	598	598	598	598	
5°	598	597	592	597	597	57
15°	574	573	571	577	577	162
25°	525	527	531	541	544	242
35°	459	463	477	493	499	287
45°	379	391	415	441	448	292
55°	292	315	350	372	376	261
65°	202	238	262	261	258	200
75°	114	152	139	127	122	120
85°	33	35	31	32	32	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	598.1	598.1	598.1	598.1	598.1
2.5°	600.2	599.1	594.0	598.1	599.1
5°	598.1	597.1	592.0	597.1	597.1
7.5°	594.0	593.0	588.9	594.0	593.0
10°	588.9	587.9	583.8	588.9	588.9
12.5°	581.8	580.8	577.7	583.8	583.8
15°	573.6	572.6	570.6	576.7	576.7
17.5°	562.4	562.4	562.4	568.5	569.5
20°	551.2	552.2	552.2	560.4	561.4
22.5°	538.9	539.9	541.0	551.2	552.2
25°	524.6	526.7	530.8	541.0	544.0
27.5°	510.3	512.4	518.5	529.7	533.8
30°	494.0	496.1	505.2	517.5	521.6
32.5°	476.7	480.7	492.0	505.2	510.3
35°	459.3	463.4	476.7	493.0	499.1
37.5°	439.9	446.0	462.4	480.7	486.9
40°	419.5	428.7	448.1	468.5	474.6
42.5°	400.1	409.3	431.7	454.2	462.4
45°	378.7	390.9	415.4	440.9	448.1
47.5°	357.2	371.5	400.1	425.6	433.8
50°	334.8	353.2	384.8	409.3	417.5
52.5°	313.3	333.8	367.4	390.9	398.1
55°	291.9	315.4	350.1	371.5	375.6
57.5°	269.5	296.0	330.7	349.1	352.1
60°	247.0	276.6	310.3	322.5	322.5
62.5°	224.6	257.2	287.8	294.0	292.9
65°	202.1	237.8	262.3	261.3	258.2
67.5°	179.6	218.4	234.8	227.6	224.6
70°	157.2	197.0	205.2	193.9	190.9
72.5°	135.8	176.6	173.5	160.2	155.1
75°	114.3	152.1	138.8	126.6	122.5
77.5°	91.9	127.6	106.2	93.9	89.8
80°	71.4	98.0	74.5	67.4	66.3
82.5°	51.0	64.3	49.0	48.0	48.0
85°	32.7	34.7	30.6	31.6	31.6
87.5°	14.3	15.3	16.3	17.4	17.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)