

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: P189612

Luminaire Tested: **BRG-WD-4L35-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189612
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-4L35-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND ROUND PERF INLAY
LIGHT LEVEL 4 (1100 mA)
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

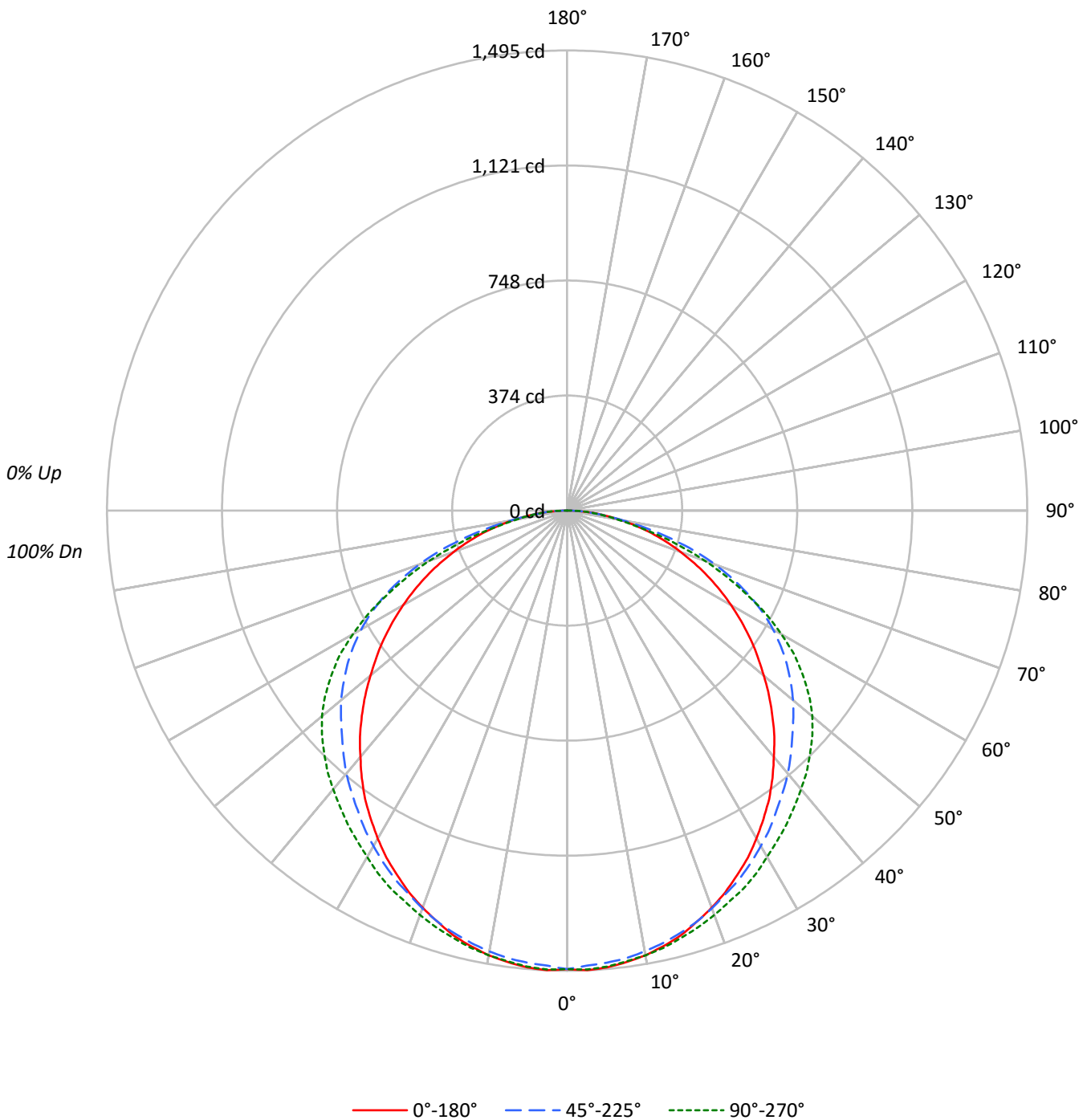
Lumens per Lamp: N/A
Luminaire Lumens: 4518.9 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.41
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 50.2
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°	4563	4563	4563
5°	4581	4534	4573
10°	4562	4523	4562
15°	4531	4507	4555
20°	4475	4483	4558
25°	4417	4468	4580
30°	4352	4451	4595
35°	4278	4440	4649
40°	4178	4463	4727
45°	4086	4482	4835
50°	3974	4567	4955
55°	3883	4657	4996
60°	3769	4735	4921
65°	3649	4735	4662
70°	3506	4577	4258
75°	3370	4092	3611
80°	3140	3274	2914
85°	2861	2682	2770



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.0	3.1
10°-20°	403.2	8.9
20°-30°	612.0	13.5
30°-40°	745.9	16.5
40°-50°	798.5	17.7
50°-60°	761.4	16.8
60°-70°	609.3	13.5
70°-80°	352.9	7.8
80°-90°	94.7	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°	1156.3	25.6
0°-40°	1902.1	42.1
0°-60°	3462.0	76.6
0°-90°	4518.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4518.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1490	1490	1490	1490	1490	
5°	1490	1487	1474	1487	1487	141
15°	1429	1426	1421	1436	1436	402
25°	1307	1312	1322	1347	1355	602
35°	1144	1154	1187	1228	1243	715
45°	943	974	1035	1098	1116	727
55°	727	786	872	925	936	649
65°	503	592	653	651	643	498
75°	285	379	346	315	305	300
85°	81	86	76	79	79	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1489.7	1489.7	1489.7	1489.7	1489.7
2.5°	1494.8	1492.3	1479.6	1489.7	1492.3
5°	1489.7	1487.2	1474.5	1487.2	1487.2
7.5°	1479.6	1477.0	1466.8	1479.6	1477.0
10°	1466.8	1464.3	1454.1	1466.8	1466.8
12.5°	1449.1	1446.5	1438.9	1454.1	1454.1
15°	1428.7	1426.2	1421.1	1436.3	1436.3
17.5°	1400.7	1400.7	1400.7	1416.0	1418.5
20°	1372.8	1375.3	1375.3	1395.7	1398.2
22.5°	1342.3	1344.8	1347.4	1372.8	1375.3
25°	1306.7	1311.8	1321.9	1347.4	1355.0
27.5°	1271.1	1276.2	1291.4	1319.4	1329.6
30°	1230.4	1235.5	1258.4	1288.9	1299.1
32.5°	1187.2	1197.4	1225.3	1258.4	1271.1
35°	1144.0	1154.2	1187.2	1227.9	1243.1
37.5°	1095.7	1110.9	1151.6	1197.4	1212.6
40°	1044.8	1067.7	1116.0	1166.9	1182.1
42.5°	996.5	1019.4	1075.3	1131.3	1151.6
45°	943.2	973.7	1034.7	1098.2	1116.0
47.5°	889.8	925.4	996.5	1060.1	1080.4
50°	833.8	879.6	958.4	1019.4	1039.8
52.5°	780.5	831.3	915.2	973.7	991.5
55°	727.1	785.5	872.0	925.4	935.5
57.5°	671.1	737.2	823.7	869.4	877.1
60°	615.2	688.9	772.8	803.3	803.3
62.5°	559.3	640.6	716.9	732.2	729.6
65°	503.4	592.3	653.3	650.8	643.2
67.5°	447.4	544.0	584.7	566.9	559.3
70°	391.5	490.6	511.0	483.0	475.4
72.5°	338.1	439.8	432.2	399.1	386.4
75°	284.7	378.8	345.7	315.2	305.1
77.5°	228.8	317.8	264.4	233.9	223.7
80°	178.0	244.1	185.6	167.8	165.2
82.5°	127.1	160.2	122.0	119.5	119.5
85°	81.4	86.4	76.3	78.8	78.8
87.5°	35.6	38.1	40.7	43.2	43.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)