

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: P189582

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34878)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WS-4L35-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 4 (1100 mA)
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

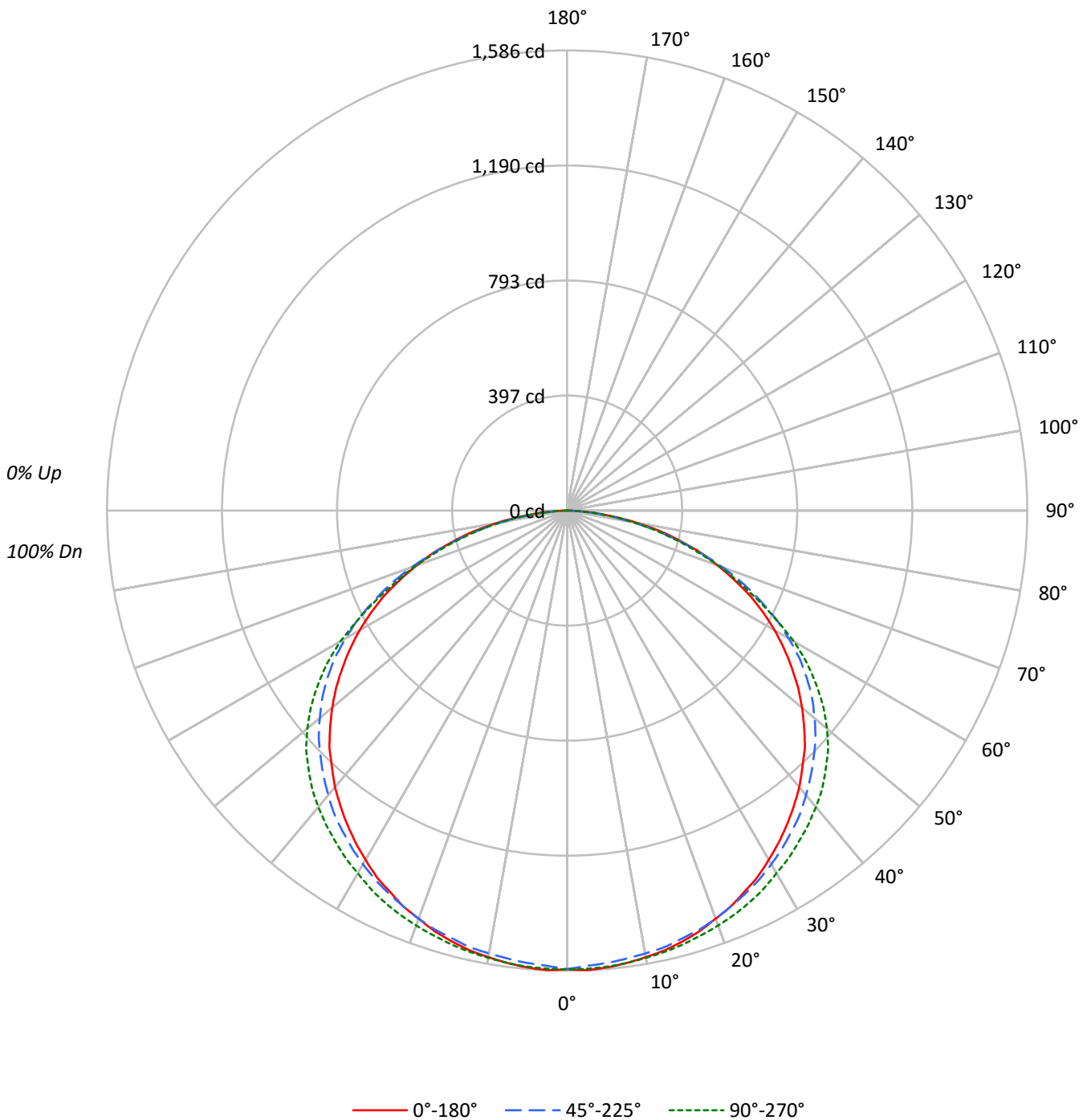
Lumens per Lamp: N/A
Luminaire Lumens: 5179.7 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.36 / 1.47
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

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	105	101	97	93	97	93	90	93	90	87	89	87	85	83
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	64	60	68	63	59	56
4	81	68	59	52	79	67	59	52	65	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	56	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	27	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4841	4841	4841
5°	4860	4813	4852
10°	4861	4821	4869
15°	4875	4843	4908
20°	4879	4879	4962
25°	4895	4921	5033
30°	4917	4979	5105
35°	4941	5046	5207
40°	4979	5121	5335
45°	5020	5207	5460
50°	5038	5304	5570
55°	5048	5388	5605
60°	5059	5402	5527
65°	5047	5323	5231
70°	4939	5098	4962
75°	4782	4662	4571
80°	4303	3990	4034
85°	3395	3037	2857



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.9	2.9
10°-20°	434.7	8.4
20°-30°	675.8	13.0
30°-40°	848.3	16.4
40°-50°	930.6	18.0
50°-60°	895.5	17.3
60°-70°	714.2	13.8
70°-80°	423.7	8.2
80°-90°	107.0	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°	1260.4	24.3
0°-40°	2108.7	40.7
0°-60°	3934.8	76.0
0°-90°	5179.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5179.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1580	1580	1580	1580	1580	
5°	1580	1578	1565	1578	1578	150
15°	1537	1535	1527	1545	1548	434
25°	1448	1451	1456	1481	1489	669
35°	1321	1326	1349	1382	1392	827
45°	1159	1169	1202	1245	1260	892
55°	945	968	1009	1039	1050	845
65°	696	724	734	724	722	686
75°	404	434	394	386	386	425
85°	97	92	86	81	81	114
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1580.5	1580.5	1580.5	1580.5	1580.5
2.5°	1585.6	1583.1	1570.4	1583.1	1580.5
5°	1580.5	1578.0	1565.3	1578.0	1578.0
7.5°	1572.9	1570.4	1557.7	1572.9	1572.9
10°	1562.8	1560.2	1550.0	1565.3	1565.3
12.5°	1552.6	1550.0	1542.4	1557.7	1557.7
15°	1537.3	1534.8	1527.2	1545.0	1547.5
17.5°	1519.6	1517.0	1514.5	1534.8	1534.8
20°	1496.7	1496.7	1496.7	1519.6	1522.1
22.5°	1476.4	1476.4	1476.4	1501.8	1506.9
25°	1448.4	1450.9	1456.0	1481.4	1489.1
27.5°	1423.0	1423.0	1433.2	1461.1	1468.7
30°	1390.0	1395.0	1407.7	1435.7	1443.3
32.5°	1356.9	1364.6	1379.8	1410.3	1420.5
35°	1321.4	1326.4	1349.3	1382.3	1392.5
37.5°	1283.2	1290.9	1318.8	1354.4	1364.6
40°	1245.1	1252.7	1280.7	1321.4	1334.1
42.5°	1199.4	1212.1	1242.6	1283.2	1301.0
45°	1158.7	1168.9	1201.9	1245.1	1260.4
47.5°	1107.9	1123.1	1161.3	1201.9	1219.7
50°	1057.1	1074.9	1113.0	1156.2	1168.9
52.5°	1003.7	1024.0	1064.7	1100.3	1113.0
55°	945.3	968.1	1008.8	1039.3	1049.5
57.5°	886.8	914.8	950.4	970.7	980.9
60°	825.8	851.3	881.7	897.0	902.1
62.5°	762.3	787.7	813.1	810.6	810.6
65°	696.3	724.2	734.4	724.2	721.7
67.5°	622.6	655.6	655.6	637.8	635.3
70°	551.4	584.4	569.2	551.4	554.0
72.5°	482.8	513.3	480.3	465.0	467.6
75°	404.0	434.5	393.9	386.2	386.2
77.5°	327.8	348.1	310.0	304.9	307.5
80°	243.9	261.7	226.2	223.6	228.7
82.5°	165.2	170.3	149.9	152.5	157.5
85°	96.6	91.5	86.4	81.3	81.3
87.5°	35.6	35.6	28.0	25.4	22.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)