

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: P189606

Luminaire Tested: **BRG-WD-3L30-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189606
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-3L30-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND ROUND PERF INLAY
LIGHT LEVEL 3 (865 mA)
Light Source: (308) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

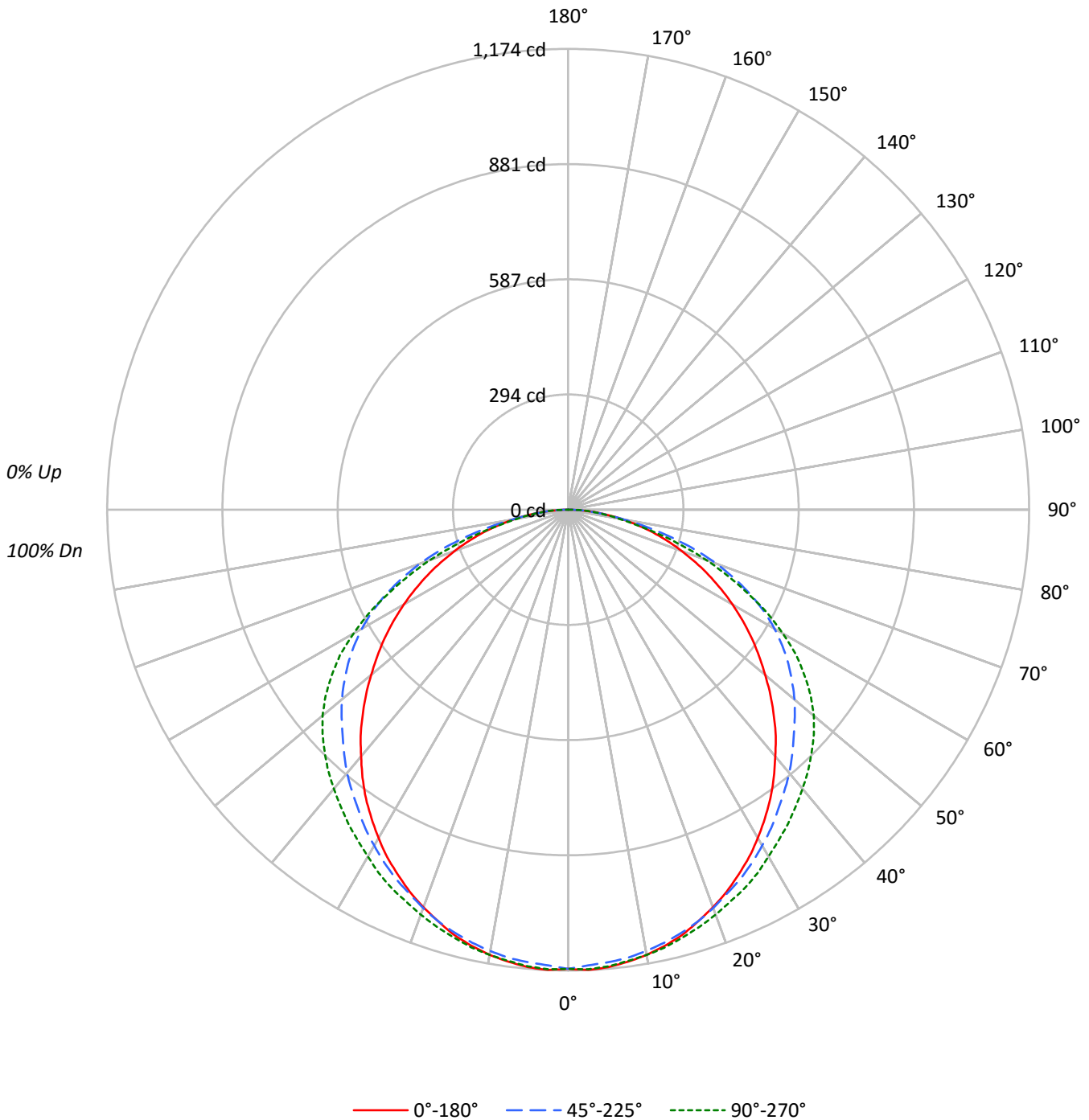
Lumens per Lamp: N/A
Luminaire Lumens: 3548.1 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.41
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 38.7
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°	3583	3583	3583
5°	3597	3560	3591
10°	3582	3552	3582
15°	3558	3539	3577
20°	3514	3520	3579
25°	3468	3508	3596
30°	3417	3495	3608
35°	3359	3486	3650
40°	3281	3504	3712
45°	3208	3519	3796
50°	3120	3586	3891
55°	3049	3657	3923
60°	2960	3718	3865
65°	2865	3718	3660
70°	2753	3593	3343
75°	2646	3213	2835
80°	2464	2570	2288
85°	2246	2105	2176



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	3.1
10°-20°	316.6	8.9
20°-30°	480.6	13.5
30°-40°	585.7	16.5
40°-50°	626.9	17.7
50°-60°	597.8	16.8
60°-70°	478.5	13.5
70°-80°	277.1	7.8
80°-90°	74.4	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°	907.9	25.6
0°-40°	1493.5	42.1
0°-60°	2718.3	76.6
0°-90°	3548.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3548.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1170	1170	1170	1170	1170	
5°	1170	1168	1158	1168	1168	111
15°	1122	1120	1116	1128	1128	316
25°	1026	1030	1038	1058	1064	473
35°	898	906	932	964	976	561
45°	740	764	812	862	876	571
55°	571	617	685	727	735	510
65°	395	465	513	511	505	391
75°	224	297	272	248	240	235
85°	64	68	60	62	62	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1169.7	1169.7	1169.7	1169.7	1169.7
2.5°	1173.7	1171.7	1161.7	1169.7	1171.7
5°	1169.7	1167.7	1157.7	1167.7	1167.7
7.5°	1161.7	1159.7	1151.7	1161.7	1159.7
10°	1151.7	1149.7	1141.8	1151.7	1151.7
12.5°	1137.8	1135.8	1129.8	1141.8	1141.8
15°	1121.8	1119.8	1115.8	1127.8	1127.8
17.5°	1099.8	1099.8	1099.8	1111.8	1113.8
20°	1077.9	1079.9	1079.9	1095.9	1097.8
22.5°	1053.9	1055.9	1057.9	1077.9	1079.9
25°	1026.0	1030.0	1038.0	1057.9	1063.9
27.5°	998.0	1002.0	1014.0	1036.0	1044.0
30°	966.1	970.1	988.1	1012.0	1020.0
32.5°	932.2	940.2	962.1	988.1	998.0
35°	898.2	906.2	932.2	964.1	976.1
37.5°	860.3	872.3	904.2	940.2	952.1
40°	820.4	838.4	876.3	916.2	928.2
42.5°	782.5	800.4	844.3	888.3	904.2
45°	740.5	764.5	812.4	862.3	876.3
47.5°	698.6	726.6	782.5	832.4	848.3
50°	654.7	690.6	752.5	800.4	816.4
52.5°	612.8	652.7	718.6	764.5	778.5
55°	570.9	616.8	684.7	726.6	734.6
57.5°	527.0	578.9	646.7	682.7	688.6
60°	483.1	540.9	606.8	630.8	630.8
62.5°	439.1	503.0	562.9	574.9	572.9
65°	395.2	465.1	513.0	511.0	505.0
67.5°	351.3	427.2	459.1	445.1	439.1
70°	307.4	385.2	401.2	379.3	373.3
72.5°	265.5	345.3	339.3	313.4	303.4
75°	223.6	297.4	271.5	247.5	239.5
77.5°	179.6	249.5	207.6	183.6	175.7
80°	139.7	191.6	145.7	131.7	129.7
82.5°	99.8	125.8	95.8	93.8	93.8
85°	63.9	67.9	59.9	61.9	61.9
87.5°	27.9	29.9	31.9	33.9	33.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)