

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: P189611

Luminaire Tested: **BRG-WD-3L35-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189611
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-3L35-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) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

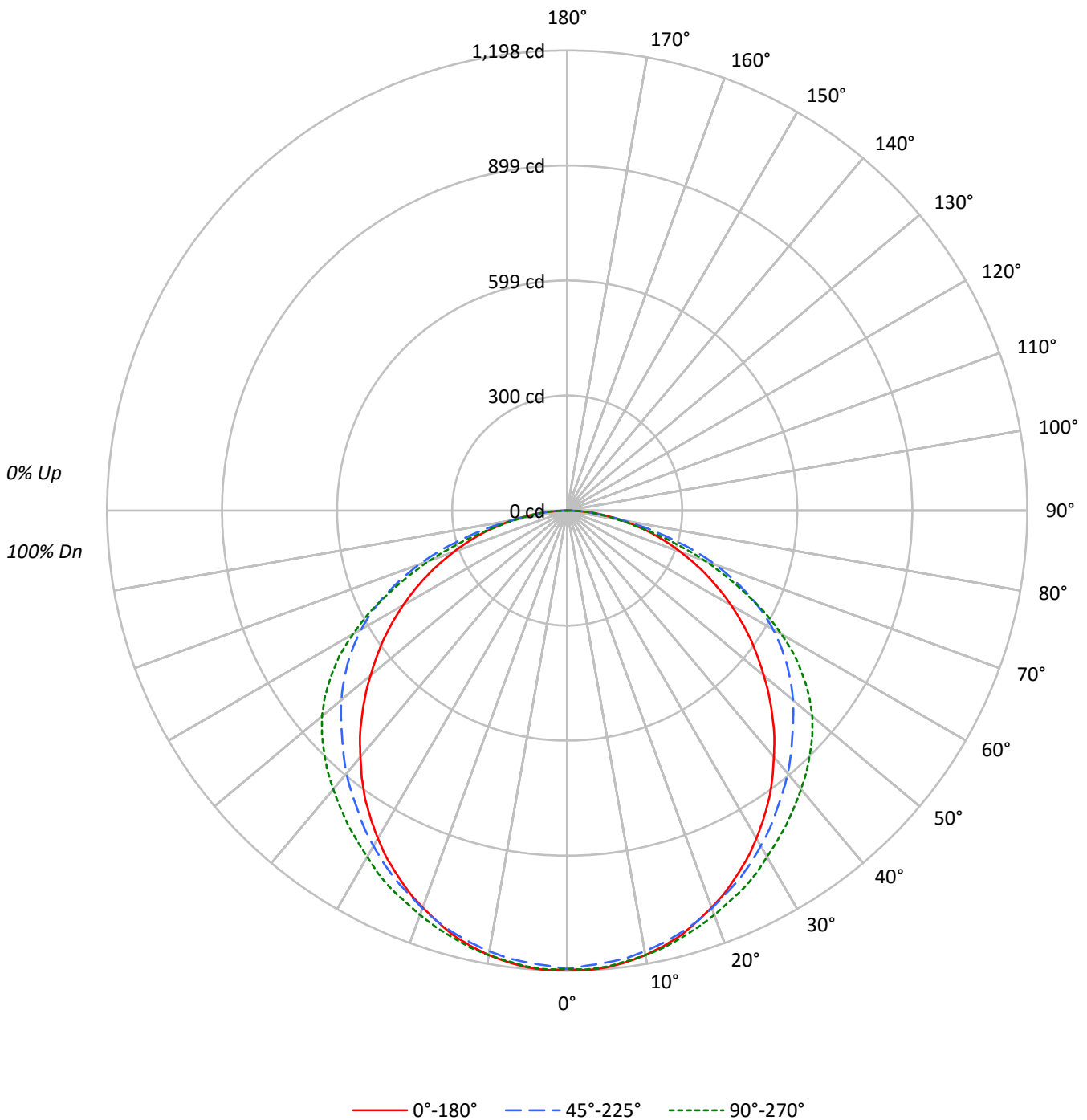
Lumens per Lamp: N/A
Luminaire Lumens: 3620.6 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.41
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

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°	3656	3656	3656
5°	3670	3633	3664
10°	3656	3624	3656
15°	3630	3611	3650
20°	3585	3592	3652
25°	3538	3580	3669
30°	3487	3566	3681
35°	3428	3557	3725
40°	3347	3576	3787
45°	3274	3591	3874
50°	3184	3659	3970
55°	3111	3731	4003
60°	3020	3794	3943
65°	2923	3794	3735
70°	2810	3667	3411
75°	2700	3278	2893
80°	2516	2623	2336
85°	2292	2147	2218



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	3.1
10°-20°	323.1	8.9
20°-30°	490.4	13.5
30°-40°	597.6	16.5
40°-50°	639.7	17.7
50°-60°	610.0	16.8
60°-70°	488.2	13.5
70°-80°	282.7	7.8
80°-90°	75.9	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°	926.4	25.6
0°-40°	1524.0	42.1
0°-60°	2773.8	76.6
0°-90°	3620.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3620.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1194	1194	1194	1194	1194	
5°	1194	1192	1181	1192	1192	113
15°	1145	1143	1139	1151	1151	322
25°	1047	1051	1059	1080	1086	483
35°	917	925	951	984	996	573
45°	756	780	829	880	894	583
55°	582	629	699	741	750	520
65°	403	475	524	521	515	399
75°	228	304	277	253	244	240
85°	65	69	61	63	63	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1193.6	1193.6	1193.6	1193.6	1193.6
2.5°	1197.7	1195.6	1185.5	1193.6	1195.6
5°	1193.6	1191.6	1181.4	1191.6	1191.6
7.5°	1185.5	1183.4	1175.3	1185.5	1183.4
10°	1175.3	1173.2	1165.1	1175.3	1175.3
12.5°	1161.0	1159.0	1152.9	1165.1	1165.1
15°	1144.7	1142.7	1138.6	1150.8	1150.8
17.5°	1122.3	1122.3	1122.3	1134.5	1136.6
20°	1099.9	1101.9	1101.9	1118.2	1120.3
22.5°	1075.5	1077.5	1079.5	1099.9	1101.9
25°	1046.9	1051.0	1059.2	1079.5	1085.6
27.5°	1018.4	1022.5	1034.7	1057.1	1065.3
30°	985.8	989.9	1008.2	1032.7	1040.8
32.5°	951.2	959.4	981.8	1008.2	1018.4
35°	916.6	924.7	951.2	983.8	996.0
37.5°	877.9	890.1	922.7	959.4	971.6
40°	837.1	855.5	894.2	934.9	947.1
42.5°	798.4	816.8	861.6	906.4	922.7
45°	755.7	780.1	829.0	879.9	894.2
47.5°	712.9	741.4	798.4	849.4	865.7
50°	668.1	704.8	767.9	816.8	833.1
52.5°	625.3	666.1	733.3	780.1	794.4
55°	582.5	629.4	698.6	741.4	749.6
57.5°	537.7	590.7	659.9	696.6	702.7
60°	492.9	552.0	619.2	643.6	643.6
62.5°	448.1	513.3	574.4	586.6	584.6
65°	403.3	474.6	523.5	521.4	515.3
67.5°	358.5	435.9	468.5	454.2	448.1
70°	313.7	393.1	409.4	387.0	380.9
72.5°	270.9	352.4	346.3	319.8	309.6
75°	228.1	303.5	277.0	252.6	244.4
77.5°	183.3	254.6	211.8	187.4	179.2
80°	142.6	195.5	148.7	134.4	132.4
82.5°	101.8	128.3	97.8	95.7	95.7
85°	65.2	69.3	61.1	63.1	63.1
87.5°	28.5	30.6	32.6	34.6	34.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)