

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: P189656

Luminaire Tested: **BRG-WS-3L35-LD2-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34869)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WS-3L35-LD2-UNV-24-STD
Description: BRIDGE 2x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 3 (1040 mA)
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

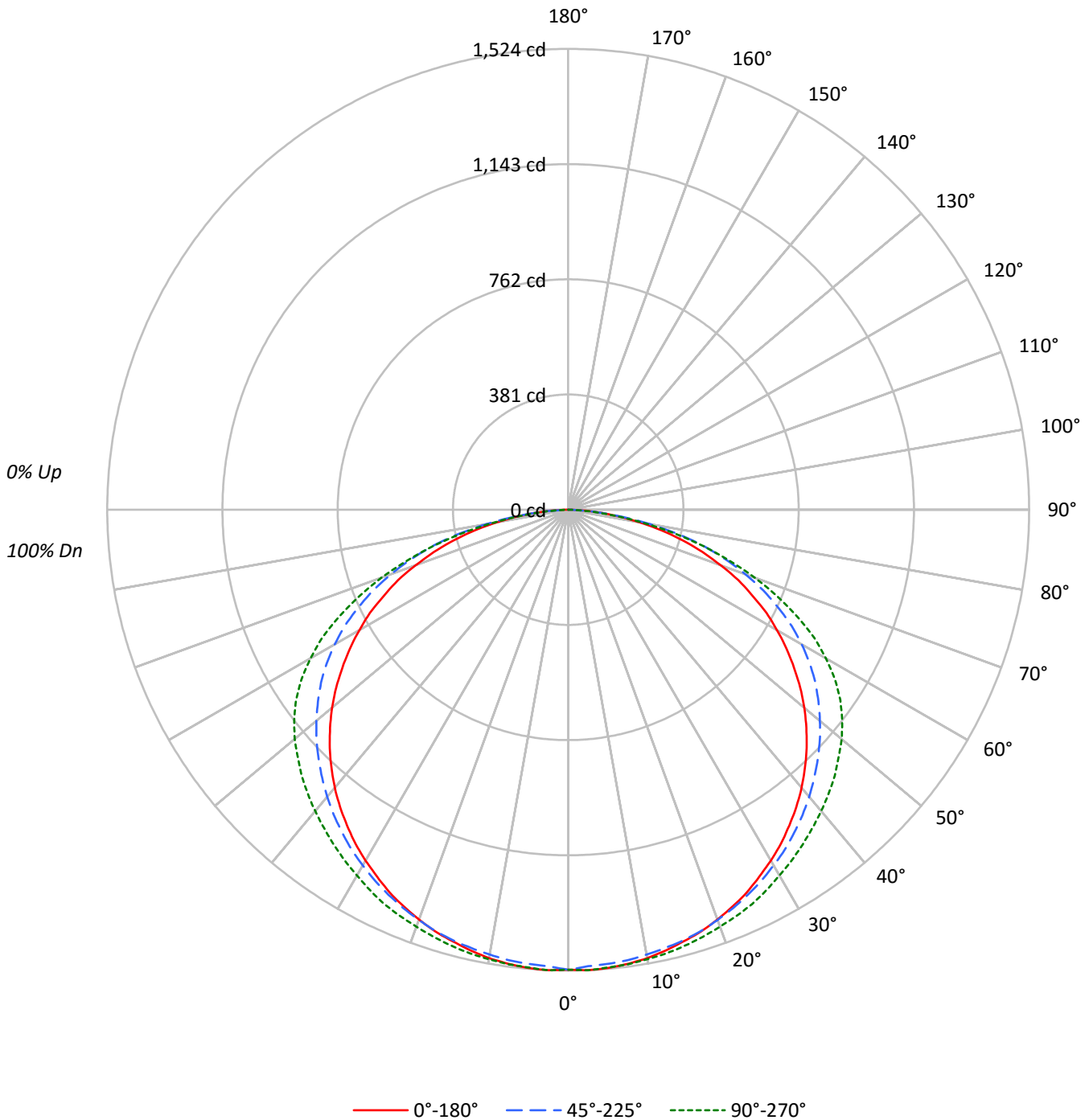
Lumens per Lamp: N/A
Luminaire Lumens: 5174.6 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.37 / 1.48
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 47.2
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	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					100			
1	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82					82			
2	97	88	81	75	95	87	80	74	83	77	72	80	75	71	76	73	69	67					67			
3	88	77	68	61	86	75	67	61	72	65	60	69	63	58	67	62	57	55					55			
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	46					46			
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40					40			
6	68	54	44	38	66	53	44	37	51	43	37	49	42	37	48	41	36	34					34			
7	63	49	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30					30			
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	29	27					27			
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24					24			
10	51	37	29	24	50	37	29	24	36	28	23	35	28	23	34	28	23	21					21			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2330	2330	2330
5°	2339	2318	2336
10°	2342	2324	2348
15°	2343	2338	2367
20°	2351	2354	2392
25°	2361	2375	2432
30°	2370	2402	2471
35°	2383	2436	2527
40°	2400	2477	2602
45°	2415	2528	2698
50°	2429	2588	2812
55°	2435	2663	2932
60°	2443	2731	3014
65°	2434	2775	3024
70°	2399	2789	2940
75°	2315	2742	2713
80°	2118	2399	2222
85°	1682	1594	1446



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.3	2.8
10°-20°	418.8	8.1
20°-30°	651.8	12.6
30°-40°	819.8	15.8
40°-50°	906.2	17.5
50°-60°	893.7	17.3
60°-70°	751.7	14.5
70°-80°	469.5	9.1
80°-90°	118.6	2.3
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°	1215.0	23.5
0°-40°	2034.8	39.3
0°-60°	3834.8	74.1
0°-90°	5174.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5174.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1521	1521	1521	1521	1521	
5°	1521	1518	1508	1520	1520	145
15°	1478	1478	1474	1489	1493	418
25°	1397	1397	1405	1430	1439	644
35°	1274	1281	1303	1338	1352	798
45°	1115	1128	1167	1221	1246	860
55°	912	937	997	1064	1098	815
65°	672	714	766	818	834	665
75°	391	450	463	457	458	412
85°	96	112	91	84	82	114
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1521.2	1521.2	1521.2	1521.2	1521.2
2.5°	1524.5	1522.9	1511.1	1522.9	1524.5
5°	1521.2	1517.8	1507.8	1519.5	1519.5
7.5°	1514.5	1511.1	1502.7	1514.5	1516.2
10°	1506.1	1502.7	1494.3	1509.4	1509.4
12.5°	1492.6	1491.0	1484.3	1499.4	1502.7
15°	1477.5	1477.5	1474.2	1489.3	1492.6
17.5°	1462.4	1460.7	1460.7	1479.2	1480.9
20°	1442.3	1442.3	1444.0	1464.1	1467.5
22.5°	1420.4	1420.4	1425.5	1449.0	1454.0
25°	1396.9	1396.9	1405.3	1430.5	1438.9
27.5°	1368.4	1371.8	1383.5	1410.4	1418.8
30°	1339.9	1343.2	1358.3	1386.9	1396.9
32.5°	1309.6	1314.7	1333.1	1363.4	1375.1
35°	1274.4	1281.1	1302.9	1338.2	1351.6
37.5°	1239.1	1244.2	1272.7	1311.3	1326.4
40°	1200.5	1207.2	1239.1	1282.8	1301.2
42.5°	1158.5	1170.3	1203.9	1252.5	1274.4
45°	1114.9	1128.3	1166.9	1220.6	1245.8
47.5°	1067.9	1084.6	1128.3	1187.1	1212.3
50°	1019.2	1036.0	1086.3	1150.1	1180.3
52.5°	967.1	988.9	1042.7	1109.8	1141.7
55°	911.7	936.9	997.3	1064.5	1098.1
57.5°	856.3	888.2	947.0	1014.1	1046.0
60°	797.5	829.4	891.6	955.4	983.9
62.5°	738.8	770.7	832.8	889.9	916.7
65°	671.6	713.6	765.6	817.7	834.5
67.5°	609.5	651.5	698.5	735.4	747.2
70°	535.6	586.0	622.9	648.1	656.5
72.5°	465.1	518.8	545.7	550.7	557.4
75°	391.2	450.0	463.4	456.7	458.4
77.5°	317.3	374.4	371.1	356.0	357.6
80°	240.1	292.1	272.0	258.6	251.9
82.5°	164.5	208.2	178.0	161.2	159.5
85°	95.7	112.5	90.7	84.0	82.3
87.5°	38.6	43.7	30.2	21.8	20.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)