

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: P189567

Luminaire Tested: **BRG-WN-6L35-LD2-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34865)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WN-6L35-LD2-UNV-22-STD
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND NANO PRISM INLAY
LIGHT LEVEL 6 (975 mA)
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

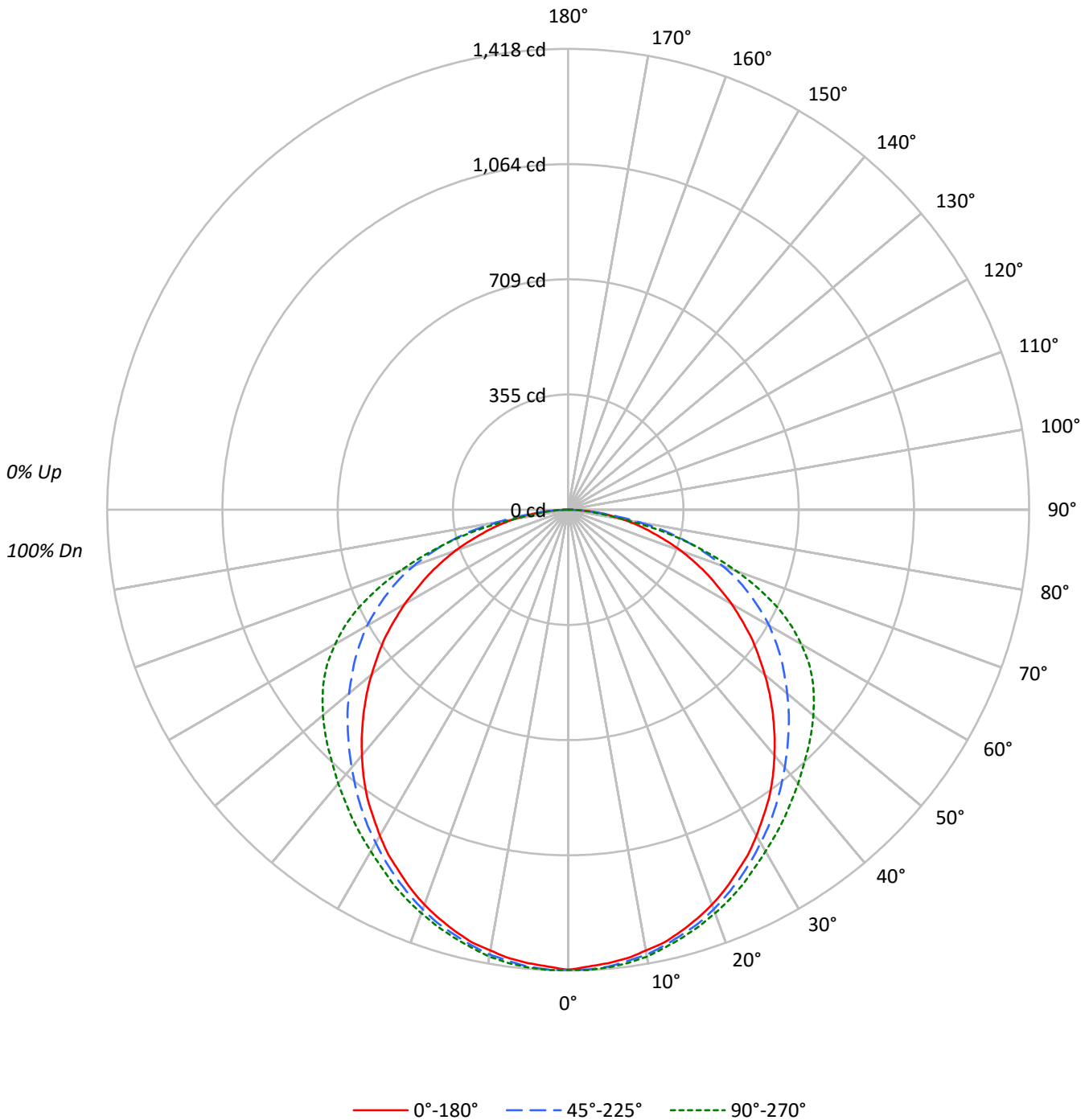
Lumens per Lamp: N/A
Luminaire Lumens: 4308.3 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 45.7
Input Voltage (V): NR
Input Current (A_{in}): 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	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
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	65	60	68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	36	31	57	45	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4534	4534	4534
5°	4503	4538	4544
10°	4479	4520	4541
15°	4452	4488	4516
20°	4408	4459	4503
25°	4343	4419	4495
30°	4284	4379	4490
35°	4218	4352	4529
40°	4125	4331	4601
45°	4032	4343	4722
50°	3933	4382	4905
55°	3845	4467	5126
60°	3723	4575	5303
65°	3593	4666	5380
70°	3455	4741	5142
75°	3265	4645	4619
80°	3126	4074	3205
85°	2918	2918	2366



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.8	3.1
10°-20°	381.9	8.9
20°-30°	576.5	13.4
30°-40°	698.2	16.2
40°-50°	743.5	17.3
50°-60°	715.3	16.6
60°-70°	597.2	13.9
70°-80°	368.4	8.6
80°-90°	93.4	2.2
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°	1092.3	25.4
0°-40°	1790.5	41.6
0°-60°	3249.3	75.4
0°-90°	4308.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4308.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1416	1416	1416	1416	1416	
5°	1401	1405	1412	1414	1414	133
15°	1343	1347	1354	1360	1362	379
25°	1229	1236	1251	1266	1272	567
35°	1079	1088	1113	1143	1158	674
45°	890	910	959	1015	1042	687
55°	689	723	800	880	918	614
65°	474	536	616	680	710	468
75°	264	335	375	378	373	281
85°	79	96	79	66	64	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1415.8	1415.8	1415.8	1415.8	1415.8
2.5°	1407.2	1409.4	1415.8	1417.9	1417.9
5°	1400.8	1405.1	1411.5	1413.6	1413.6
7.5°	1392.2	1394.3	1400.8	1405.1	1407.2
10°	1377.2	1381.5	1390.0	1394.3	1396.5
12.5°	1364.3	1364.3	1372.9	1379.3	1379.3
15°	1342.9	1347.1	1353.6	1360.0	1362.2
17.5°	1319.3	1323.5	1334.3	1340.7	1342.9
20°	1293.5	1297.8	1308.5	1317.1	1321.4
22.5°	1263.5	1267.8	1280.6	1293.5	1297.8
25°	1229.2	1235.6	1250.6	1265.6	1272.1
27.5°	1197.0	1201.3	1218.4	1235.6	1242.0
30°	1158.4	1164.8	1184.1	1205.6	1214.1
32.5°	1117.6	1128.3	1149.8	1175.5	1186.3
35°	1079.0	1087.6	1113.3	1143.4	1158.4
37.5°	1034.0	1044.7	1074.7	1111.2	1128.3
40°	986.8	999.6	1036.1	1076.9	1100.5
42.5°	939.6	956.7	997.5	1046.8	1070.4
45°	890.2	909.5	958.9	1014.6	1042.5
47.5°	840.9	864.5	920.3	982.5	1014.6
50°	789.4	817.3	879.5	950.3	984.6
52.5°	737.9	770.1	838.7	913.8	952.4
55°	688.6	722.9	800.1	879.5	918.1
57.5°	632.8	673.6	757.2	836.6	877.4
60°	581.3	628.5	714.3	791.6	828.0
62.5°	523.4	583.5	665.0	742.2	774.4
65°	474.1	536.3	615.7	680.0	710.0
67.5°	420.4	486.9	564.2	615.7	632.8
70°	369.0	437.6	506.3	540.6	549.2
72.5°	315.3	388.3	444.0	463.3	461.2
75°	263.9	334.6	375.4	377.5	373.3
77.5°	216.7	278.9	306.8	289.6	281.0
80°	169.5	218.8	220.9	193.1	173.8
82.5°	124.4	158.7	141.6	115.8	105.1
85°	79.4	96.5	79.4	66.5	64.4
87.5°	34.3	38.6	30.0	27.9	25.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)