

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: P189573

Luminaire Tested: **BRG-WN-6L40-LD2-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189573
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-6L40-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) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

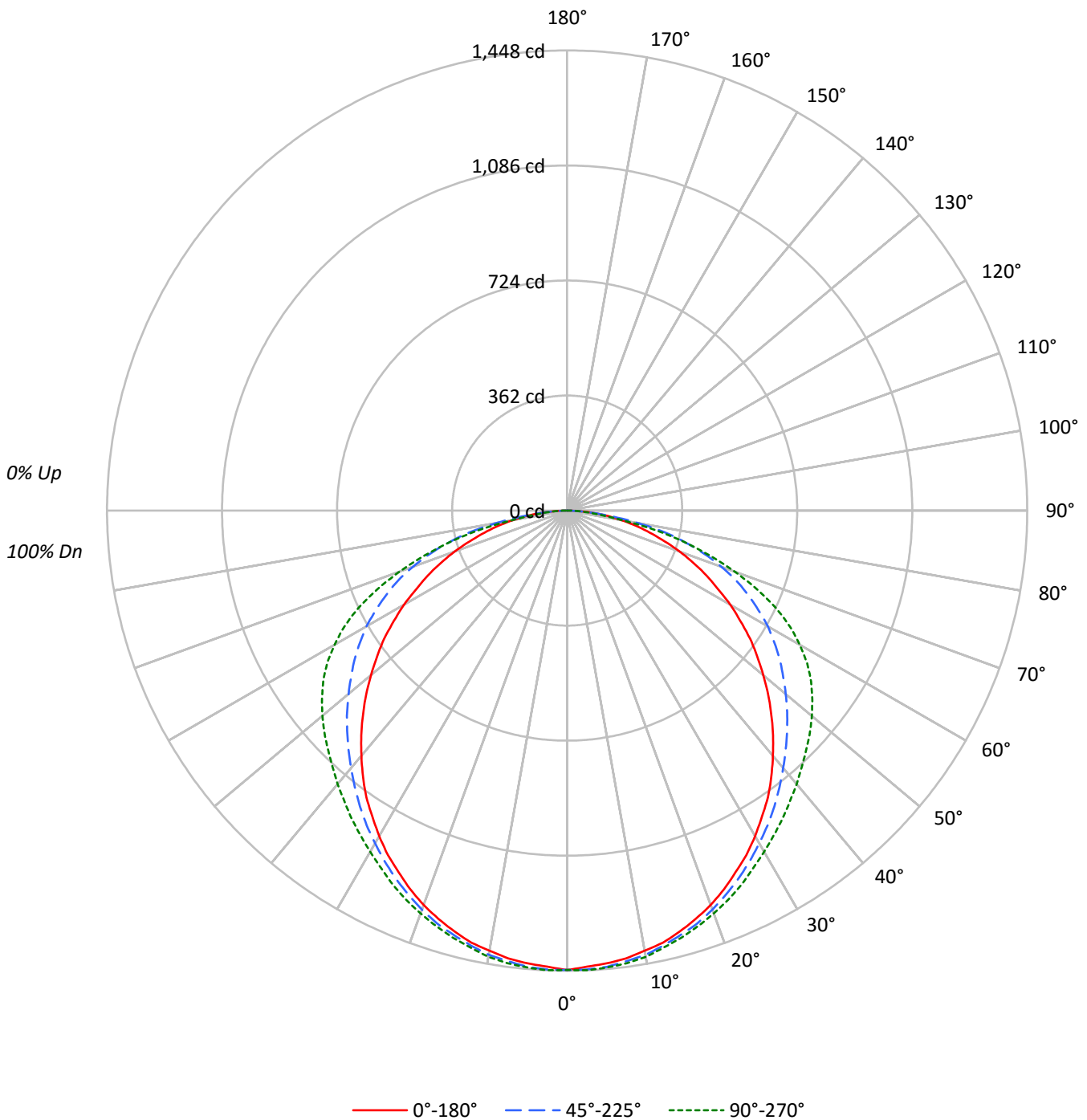
Lumens per Lamp: N/A
Luminaire Lumens: 4398.4 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 45.7
Input Voltage (V): NR
Input Current (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	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°	4629	4629	4629
5°	4597	4632	4640
10°	4572	4615	4636
15°	4546	4582	4611
20°	4501	4553	4598
25°	4434	4512	4589
30°	4373	4470	4584
35°	4307	4444	4623
40°	4212	4422	4697
45°	4116	4433	4821
50°	4015	4474	5008
55°	3925	4561	5233
60°	3801	4671	5414
65°	3668	4763	5493
70°	3527	4839	5249
75°	3333	4743	4716
80°	3191	4161	3272
85°	2976	2976	2414



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.6	3.1
10°-20°	389.9	8.9
20°-30°	588.6	13.4
30°-40°	712.8	16.2
40°-50°	759.1	17.3
50°-60°	730.3	16.6
60°-70°	609.6	13.9
70°-80°	376.1	8.6
80°-90°	95.4	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°	1115.1	25.4
0°-40°	1827.9	41.6
0°-60°	3317.3	75.4
0°-90°	4398.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4398.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1445	1445	1445	1445	1445	
5°	1430	1434	1441	1443	1443	136
15°	1371	1375	1382	1388	1391	387
25°	1255	1262	1277	1292	1299	579
35°	1102	1110	1137	1167	1183	688
45°	909	929	979	1036	1064	701
55°	703	738	817	898	937	627
65°	484	548	628	694	725	478
75°	269	342	383	385	381	287
85°	81	99	81	68	66	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1445.4	1445.4	1445.4	1445.4	1445.4
2.5°	1436.7	1438.8	1445.4	1447.6	1447.6
5°	1430.1	1434.5	1441.0	1443.2	1443.2
7.5°	1421.3	1423.5	1430.1	1434.5	1436.7
10°	1406.0	1410.4	1419.1	1423.5	1425.7
12.5°	1392.9	1392.9	1401.6	1408.2	1408.2
15°	1371.0	1375.3	1381.9	1388.5	1390.7
17.5°	1346.9	1351.2	1362.2	1368.8	1371.0
20°	1320.6	1325.0	1335.9	1344.7	1349.1
22.5°	1289.9	1294.3	1307.4	1320.6	1325.0
25°	1254.9	1261.5	1276.8	1292.1	1298.7
27.5°	1222.0	1226.4	1243.9	1261.5	1268.0
30°	1182.6	1189.2	1208.9	1230.8	1239.6
32.5°	1141.0	1152.0	1173.9	1200.1	1211.1
35°	1101.6	1110.3	1136.6	1167.3	1182.6
37.5°	1055.6	1066.5	1097.2	1134.4	1152.0
40°	1007.4	1020.6	1057.8	1099.4	1123.5
42.5°	959.2	976.8	1018.4	1068.7	1092.8
45°	908.9	928.6	978.9	1035.9	1064.4
47.5°	858.5	882.6	939.5	1003.0	1035.9
50°	805.9	834.4	897.9	970.2	1005.2
52.5°	753.4	786.2	856.3	933.0	972.4
55°	703.0	738.0	816.9	897.9	937.3
57.5°	646.1	687.7	773.1	854.1	895.7
60°	593.5	641.7	729.3	808.1	845.3
62.5°	534.4	595.7	678.9	757.7	790.6
65°	484.0	547.5	628.5	694.2	724.9
67.5°	429.2	497.1	576.0	628.5	646.1
70°	376.7	446.8	516.8	551.9	560.6
72.5°	321.9	396.4	453.3	473.0	470.9
75°	269.4	341.6	383.3	385.4	381.1
77.5°	221.2	284.7	313.2	295.7	286.9
80°	173.0	223.4	225.6	197.1	177.4
82.5°	127.0	162.1	144.5	118.3	107.3
85°	81.0	98.6	81.0	67.9	65.7
87.5°	35.0	39.4	30.7	28.5	26.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)