

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: P189513

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34939)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WS-6L35-LD2-UNV-22-STD
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 6 (975 mA)
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

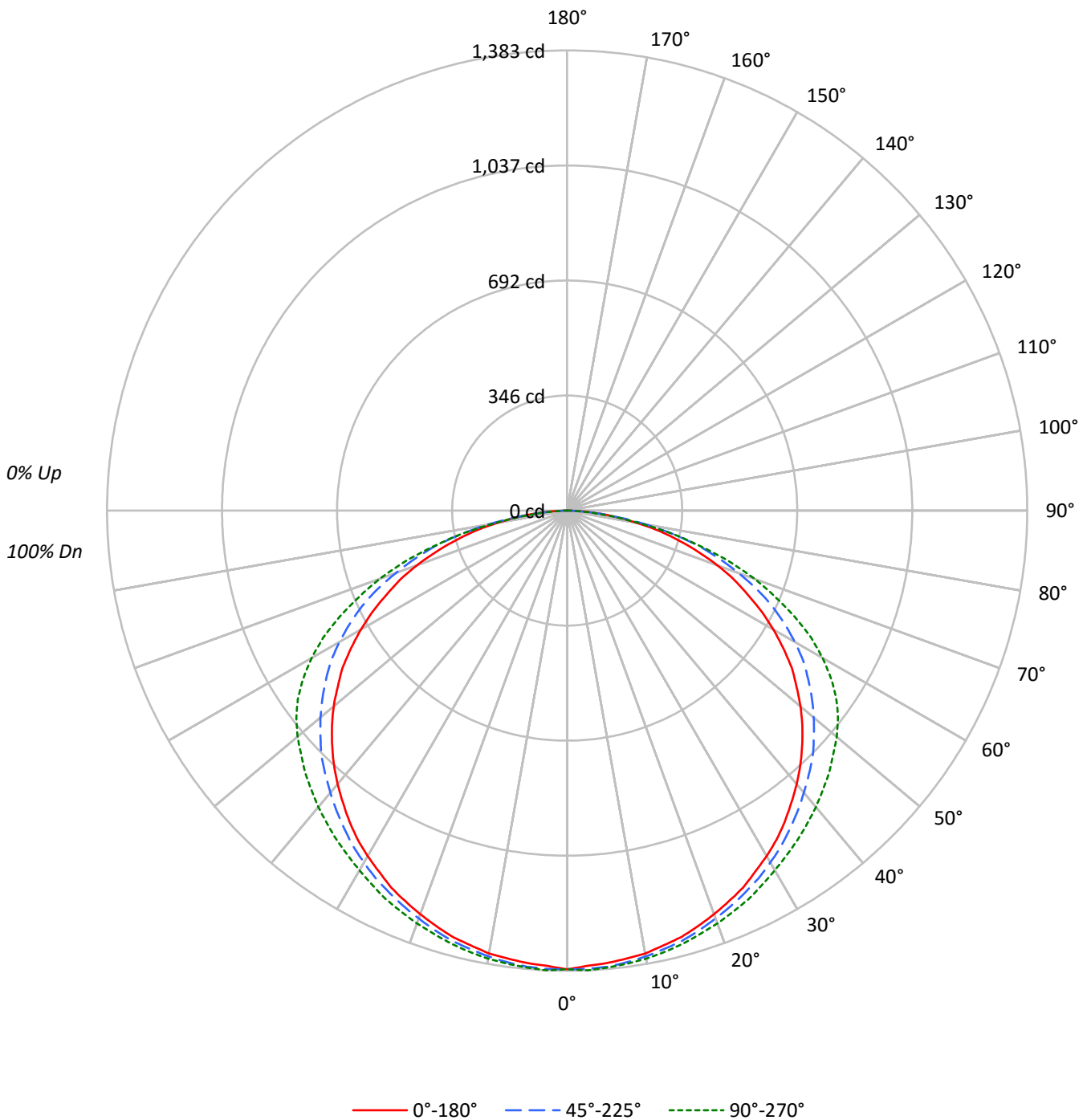
Lumens per Lamp: N/A
Luminaire Lumens: 4621.5 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.36 / 1.47
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

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	98	94	105	100	96	92	96	93	89	92	89	87	89	86	84	82
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67
3	88	77	68	61	86	75	67	61	72	65	60	70	64	59	67	62	58	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	47
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	41	37	34
7	63	49	40	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	44	35	29	42	35	29	41	34	29	40	33	29	27
9	54	40	32	26	53	40	32	26	39	31	26	38	31	26	37	30	26	24
10	51	37	29	24	50	37	29	24	36	28	24	35	28	23	34	28	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4415	4415	4415
5°	4388	4424	4432
10°	4395	4425	4446
15°	4399	4437	4466
20°	4400	4446	4499
25°	4419	4475	4554
30°	4434	4517	4616
35°	4459	4564	4722
40°	4487	4627	4862
45°	4525	4728	5044
50°	4564	4821	5269
55°	4601	4939	5516
60°	4587	5062	5681
65°	4543	5155	5717
70°	4499	5129	5613
75°	4306	5056	5140
80°	3934	4389	4140
85°	3219	3134	2723



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.7	2.8
10°-20°	377.7	8.2
20°-30°	584.9	12.7
30°-40°	733.3	15.9
40°-50°	809.6	17.5
50°-60°	798.0	17.3
60°-70°	669.3	14.5
70°-80°	414.4	9.0
80°-90°	103.7	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°	1093.3	23.7
0°-40°	1826.5	39.5
0°-60°	3434.1	74.3
0°-90°	4621.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4621.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1379	1379	1379	1379	1379	
5°	1365	1370	1376	1379	1379	130
15°	1327	1329	1338	1345	1347	374
25°	1251	1253	1266	1282	1289	576
35°	1141	1145	1168	1194	1208	714
45°	999	1008	1044	1087	1114	771
55°	824	835	885	950	988	734
65°	600	629	680	732	754	594
75°	348	384	409	409	415	367
85°	88	99	85	74	74	103
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1378.6	1378.6	1378.6	1378.6	1378.6
2.5°	1369.6	1374.1	1378.6	1383.1	1383.1
5°	1365.1	1369.6	1376.3	1378.6	1378.6
7.5°	1358.4	1362.9	1369.6	1371.8	1374.1
10°	1351.6	1353.9	1360.6	1365.1	1367.3
12.5°	1338.2	1342.6	1349.4	1356.1	1358.4
15°	1326.9	1329.2	1338.2	1344.9	1347.1
17.5°	1309.0	1313.5	1322.4	1331.4	1333.7
20°	1291.0	1293.3	1304.5	1315.7	1320.2
22.5°	1270.8	1275.3	1286.5	1300.0	1304.5
25°	1250.6	1252.8	1266.3	1282.0	1288.8
27.5°	1223.7	1230.4	1246.1	1259.6	1268.6
30°	1199.0	1203.4	1221.4	1239.4	1248.3
32.5°	1172.0	1176.5	1196.7	1219.2	1228.1
35°	1140.6	1145.1	1167.5	1194.5	1207.9
37.5°	1106.9	1113.6	1138.3	1169.8	1185.5
40°	1073.2	1080.0	1106.9	1145.1	1163.0
42.5°	1037.3	1044.0	1075.5	1118.1	1138.3
45°	999.1	1008.1	1044.0	1086.7	1113.6
47.5°	958.7	969.9	1005.9	1059.7	1084.4
50°	916.1	925.0	967.7	1026.1	1057.5
52.5°	868.9	882.4	927.3	992.4	1026.1
55°	824.0	835.2	884.6	949.7	987.9
57.5°	770.1	788.1	842.0	904.8	940.8
60°	716.2	736.4	790.3	853.2	886.9
62.5°	660.1	684.8	736.4	797.1	826.2
65°	599.5	628.7	680.3	731.9	754.4
67.5°	543.3	570.3	617.4	657.9	675.8
70°	480.5	509.7	547.8	581.5	599.5
72.5°	413.1	449.0	478.2	496.2	511.9
75°	348.0	383.9	408.6	408.6	415.4
77.5°	285.1	312.1	325.6	321.1	325.6
80°	213.3	240.2	238.0	229.0	224.5
82.5°	148.2	166.1	157.2	143.7	139.2
85°	87.6	98.8	85.3	74.1	74.1
87.5°	35.9	38.2	26.9	20.2	18.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)