

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: P189507

Luminaire Tested: **BRG-WS-6L30-LD2-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189507
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-6L30-LD2-UNV-22-STD
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 6 (975 mA)
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

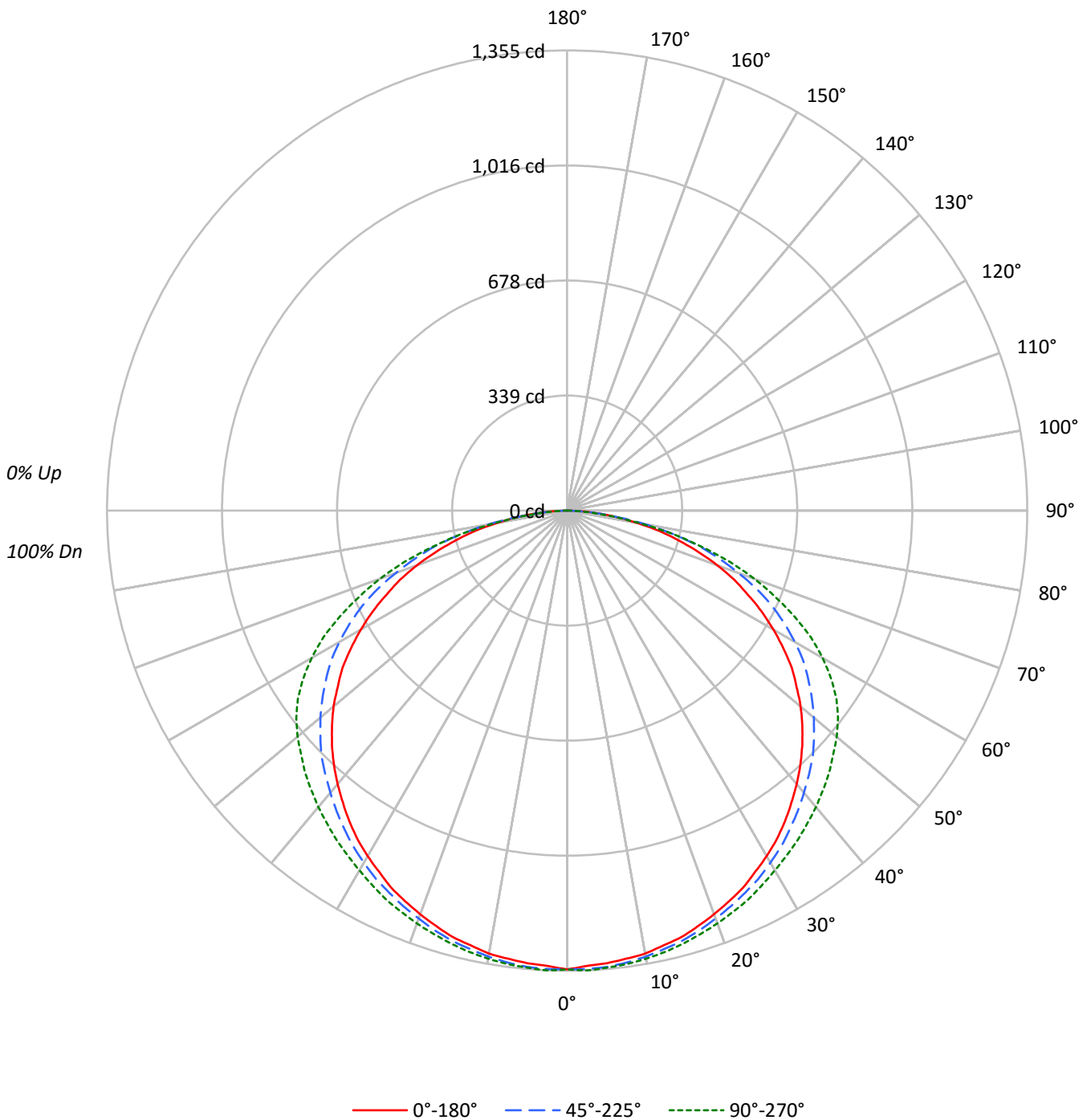
Lumens per Lamp: N/A
Luminaire Lumens: 4529.0 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.36 / 1.47
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

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°	4327	4327	4327
5°	4301	4336	4343
10°	4307	4336	4358
15°	4311	4348	4377
20°	4312	4357	4409
25°	4331	4385	4463
30°	4345	4426	4524
35°	4370	4473	4628
40°	4397	4535	4765
45°	4434	4634	4943
50°	4473	4725	5163
55°	4509	4840	5405
60°	4496	4961	5567
65°	4452	5052	5602
70°	4409	5027	5501
75°	4219	4956	5037
80°	3854	4301	4057
85°	3153	3072	2668



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.1	2.8
10°-20°	370.1	8.2
20°-30°	573.2	12.7
30°-40°	718.6	15.9
40°-50°	793.4	17.5
50°-60°	782.0	17.3
60°-70°	656.0	14.5
70°-80°	406.1	9.0
80°-90°	101.6	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°	1071.4	23.7
0°-40°	1790.0	39.5
0°-60°	3365.3	74.3
0°-90°	4529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4529.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1351	1351	1351	1351	1351	
5°	1338	1342	1349	1351	1351	127
15°	1300	1303	1311	1318	1320	367
25°	1226	1228	1241	1256	1263	565
35°	1118	1122	1144	1171	1184	700
45°	979	988	1023	1065	1091	755
55°	808	818	867	931	968	719
65°	588	616	667	717	739	583
75°	341	376	400	400	407	360
85°	86	97	84	73	73	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1351.0	1351.0	1351.0	1351.0	1351.0
2.5°	1342.2	1346.6	1351.0	1355.4	1355.4
5°	1337.8	1342.2	1348.8	1351.0	1351.0
7.5°	1331.2	1335.6	1342.2	1344.4	1346.6
10°	1324.6	1326.8	1333.4	1337.8	1340.0
12.5°	1311.4	1315.8	1322.4	1329.0	1331.2
15°	1300.4	1302.6	1311.4	1318.0	1320.2
17.5°	1282.8	1287.2	1296.0	1304.8	1307.0
20°	1265.2	1267.4	1278.4	1289.4	1293.8
22.5°	1245.4	1249.8	1260.8	1274.0	1278.4
25°	1225.6	1227.8	1241.0	1256.4	1263.0
27.5°	1199.2	1205.8	1221.2	1234.4	1243.2
30°	1175.0	1179.4	1197.0	1214.6	1223.4
32.5°	1148.5	1152.9	1172.8	1194.8	1203.6
35°	1117.7	1122.1	1144.1	1170.6	1183.8
37.5°	1084.7	1091.3	1115.5	1146.3	1161.8
40°	1051.7	1058.3	1084.7	1122.1	1139.7
42.5°	1016.5	1023.1	1053.9	1095.7	1115.5
45°	979.1	987.9	1023.1	1064.9	1091.3
47.5°	939.5	950.5	985.7	1038.5	1062.7
50°	897.7	906.5	948.3	1005.5	1036.3
52.5°	851.5	864.7	908.7	972.5	1005.5
55°	807.5	818.5	866.9	930.7	968.1
57.5°	754.7	772.3	825.1	886.7	921.9
60°	701.9	721.7	774.5	836.1	869.1
62.5°	646.9	671.1	721.7	781.1	809.7
65°	587.5	616.1	666.7	717.3	739.3
67.5°	532.5	558.9	605.1	644.7	662.3
70°	470.9	499.5	536.9	569.9	587.5
72.5°	404.9	440.1	468.7	486.3	501.7
75°	341.0	376.2	400.5	400.5	407.1
77.5°	279.4	305.8	319.0	314.6	319.0
80°	209.0	235.4	233.2	224.4	220.0
82.5°	145.2	162.8	154.0	140.8	136.4
85°	85.8	96.8	83.6	72.6	72.6
87.5°	35.2	37.4	26.4	19.8	17.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)