

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: P189561

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189561  
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-6L30-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) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

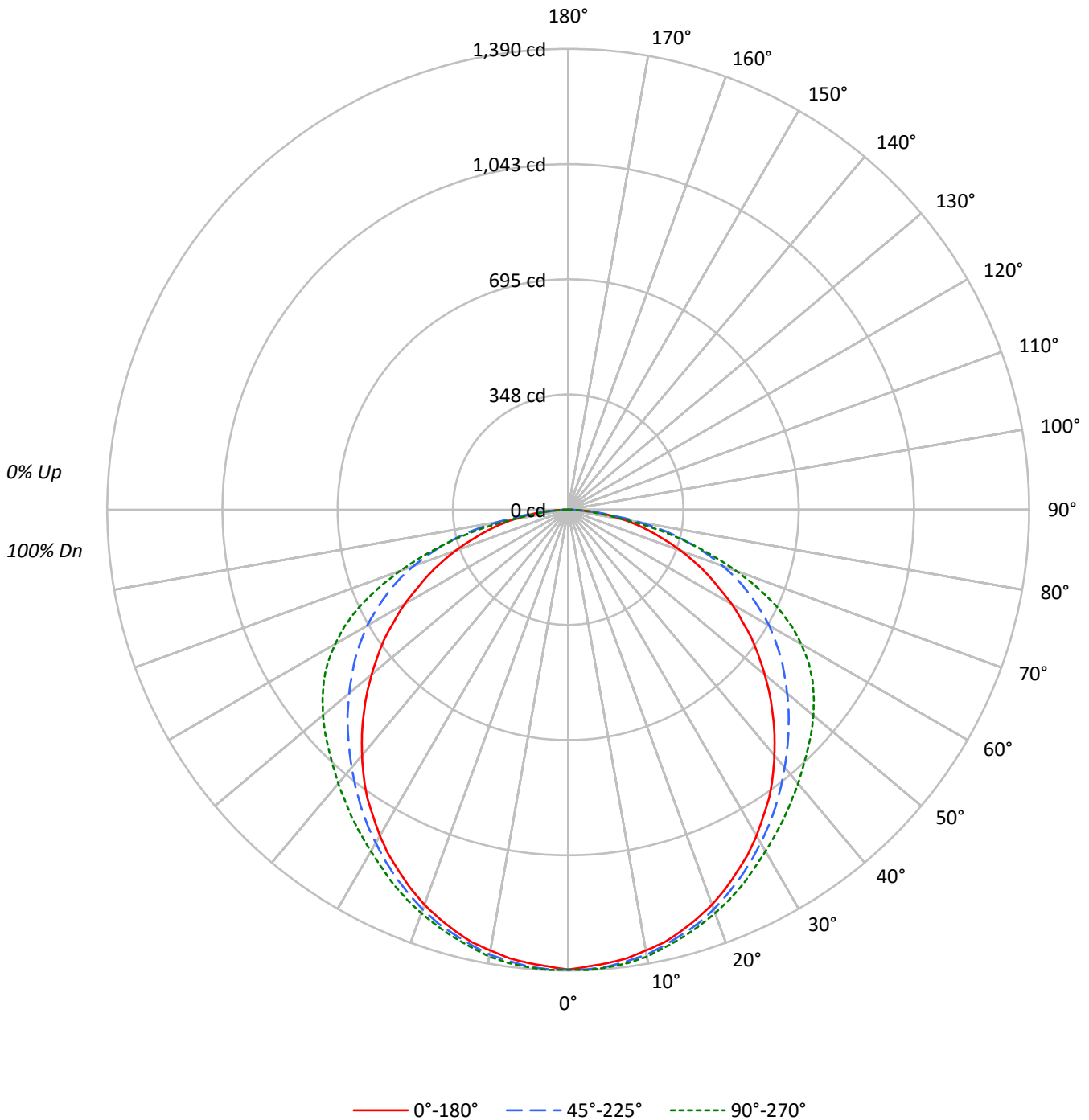
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4222.0 lumens  
Efficiency: N/A  
Efficacy: 92.4 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																										
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	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°	4443	4443	4443
5°	4413	4447	4453
10°	4389	4430	4450
15°	4363	4398	4426
20°	4320	4370	4413
25°	4257	4331	4405
30°	4198	4291	4400
35°	4134	4265	4438
40°	4043	4245	4508
45°	3951	4256	4627
50°	3854	4294	4807
55°	3768	4378	5023
60°	3649	4483	5197
65°	3521	4572	5273
70°	3386	4645	5039
75°	3200	4552	4526
80°	3063	3993	3141
85°	2859	2859	2319



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.1	3.1
10°-20°	374.3	8.9
20°-30°	565.0	13.4
30°-40°	684.2	16.2
40°-50°	728.7	17.3
50°-60°	701.0	16.6
60°-70°	585.2	13.9
70°-80°	361.0	8.6
80°-90°	91.5	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°	1070.4	25.4
0°-40°	1754.6	41.6
0°-60°	3184.3	75.4
0°-90°	4222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4222.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1387	1387	1387	1387	1387	
5°	1373	1377	1383	1385	1385	130
15°	1316	1320	1326	1333	1335	371
25°	1205	1211	1226	1240	1247	556
35°	1057	1066	1091	1120	1135	660
45°	872	891	940	994	1022	673
55°	675	708	784	862	900	602
65°	465	526	603	666	696	459
75°	259	328	368	370	366	275
85°	78	95	78	65	63	86
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1387.4	1387.4	1387.4	1387.4	1387.4
2.5°	1379.0	1381.1	1387.4	1389.5	1389.5
5°	1372.7	1376.9	1383.2	1385.3	1385.3
7.5°	1364.3	1366.4	1372.7	1376.9	1379.0
10°	1349.6	1353.8	1362.2	1366.4	1368.5
12.5°	1337.0	1337.0	1345.4	1351.7	1351.7
15°	1316.0	1320.2	1326.5	1332.8	1334.9
17.5°	1292.8	1297.1	1307.6	1313.9	1316.0
20°	1267.6	1271.8	1282.3	1290.7	1294.9
22.5°	1238.2	1242.4	1255.0	1267.6	1271.8
25°	1204.6	1210.9	1225.6	1240.3	1246.6
27.5°	1173.0	1177.2	1194.0	1210.9	1217.2
30°	1135.2	1141.5	1160.4	1181.4	1189.8
32.5°	1095.2	1105.8	1126.8	1152.0	1162.5
35°	1057.4	1065.8	1091.0	1120.5	1135.2
37.5°	1013.3	1023.8	1053.2	1088.9	1105.8
40°	967.0	979.6	1015.4	1055.3	1078.4
42.5°	920.8	937.6	977.5	1025.9	1049.0
45°	872.4	891.3	939.7	994.3	1021.7
47.5°	824.1	847.2	901.8	962.8	994.3
50°	773.6	800.9	861.9	931.3	964.9
52.5°	723.2	754.7	822.0	895.5	933.4
55°	674.8	708.4	784.1	861.9	899.7
57.5°	620.1	660.1	742.1	819.9	859.8
60°	569.7	615.9	700.0	775.7	811.4
62.5°	512.9	571.8	651.7	727.4	758.9
65°	464.6	525.5	603.3	666.4	695.8
67.5°	412.0	477.2	552.9	603.3	620.1
70°	361.6	428.8	496.1	529.8	538.2
72.5°	309.0	380.5	435.2	454.1	452.0
75°	258.6	327.9	367.9	370.0	365.8
77.5°	212.3	273.3	300.6	283.8	275.4
80°	166.1	214.4	216.5	189.2	170.3
82.5°	121.9	155.6	138.7	113.5	103.0
85°	77.8	94.6	77.8	65.2	63.1
87.5°	33.6	37.8	29.4	27.3	25.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)