

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: P189525

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189525
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34863)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WG-6L30-LD2-UNV-22-STD
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND
RECTANGULAR PERF INLAY
LIGHT LEVEL 6 (975 mA)
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

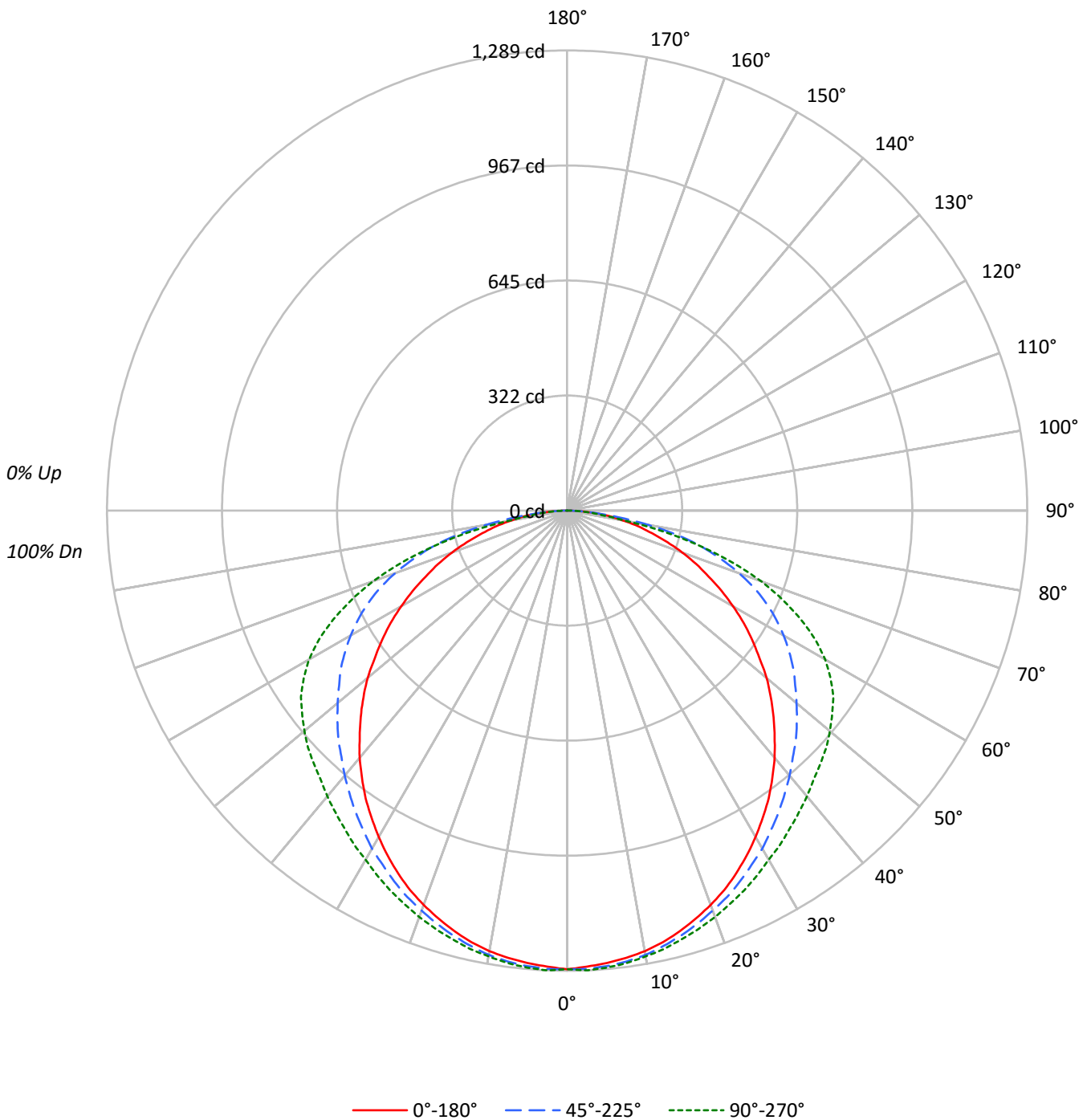
Lumens per Lamp: N/A
Luminaire Lumens: 4095.8 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

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	62	86	75	67	61	72	66	60		70	64	59		67	62	58	55
4	81	68	59	52	78	67	58	51	64	56	50		62	55	50		59	54	49	47
5	74	60	51	44	72	59	50	44	57	49	43		55	48	43		53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	38		50	43	37		48	42	37	35
7	63	49	40	33	61	48	39	33	47	39	33		45	38	33		44	37	33	30
8	59	45	36	30	57	44	35	30	42	35	29		41	34	29		40	34	29	27
9	55	41	32	27	53	40	32	27	39	32	26		38	31	26		37	31	26	24
10	51	38	29	24	50	37	29	24	36	29	24		35	28	24		34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4115	4115	4115
5°	4090	4117	4131
10°	4076	4110	4123
15°	4044	4086	4120
20°	4006	4063	4128
25°	3960	4050	4146
30°	3904	4044	4176
35°	3847	4037	4250
40°	3780	4053	4369
45°	3705	4105	4543
50°	3636	4180	4788
55°	3534	4321	5084
60°	3434	4485	5347
65°	3315	4669	5482
70°	3210	4804	5415
75°	3044	4839	4813
80°	2947	4266	3141
85°	2704	3013	2319



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.6	3.0
10°-20°	347.7	8.5
20°-30°	528.7	12.9
30°-40°	647.5	15.8
40°-50°	701.1	17.1
50°-60°	689.9	16.8
60°-70°	591.9	14.5
70°-80°	373.3	9.1
80°-90°	94.1	2.3
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°	998.0	24.4
0°-40°	1645.5	40.2
0°-60°	3036.5	74.1
0°-90°	4095.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4095.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1285	1285	1285	1285	1285	
5°	1272	1276	1281	1283	1285	121
15°	1220	1224	1232	1241	1243	344
25°	1121	1127	1146	1165	1173	516
35°	984	997	1032	1070	1087	615
45°	818	843	906	972	1003	631
55°	633	679	774	864	910	566
65°	437	513	616	692	723	435
75°	246	332	391	393	389	263
85°	74	101	82	65	63	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1284.9	1284.9	1284.9	1284.9	1284.9
2.5°	1278.6	1280.7	1284.9	1289.1	1289.1
5°	1272.2	1276.4	1280.7	1282.8	1284.9
7.5°	1263.8	1268.0	1274.3	1276.4	1278.6
10°	1253.3	1255.4	1263.8	1268.0	1268.0
12.5°	1238.6	1240.7	1249.1	1255.4	1257.5
15°	1219.7	1223.9	1232.3	1240.7	1242.8
17.5°	1198.6	1202.8	1213.4	1223.9	1228.1
20°	1175.5	1179.7	1192.3	1204.9	1211.3
22.5°	1150.3	1156.6	1171.3	1186.0	1192.3
25°	1120.8	1127.1	1146.1	1165.0	1173.4
27.5°	1089.3	1099.8	1118.7	1141.9	1152.4
30°	1055.6	1066.2	1093.5	1118.7	1129.2
32.5°	1019.9	1032.5	1062.0	1093.5	1110.3
35°	984.1	996.8	1032.5	1070.4	1087.2
37.5°	944.2	961.0	1001.0	1045.1	1066.2
40°	904.2	923.2	969.4	1019.9	1045.1
42.5°	860.1	881.1	935.8	994.7	1022.0
45°	818.0	843.3	906.3	971.5	1003.1
47.5°	773.9	803.3	872.7	946.3	984.1
50°	729.7	761.2	839.0	921.1	961.0
52.5°	679.2	721.3	805.4	893.7	935.8
55°	633.0	679.2	773.9	864.3	910.5
57.5°	586.7	639.3	738.1	830.6	874.8
60°	536.2	597.2	700.3	790.7	834.8
62.5°	487.9	557.3	660.3	746.5	784.4
65°	437.4	513.1	616.1	691.8	723.4
67.5°	391.1	471.0	567.8	630.9	654.0
70°	342.8	429.0	513.1	559.4	578.3
72.5°	294.4	380.6	452.1	479.5	487.9
75°	246.0	332.3	391.1	393.2	389.0
77.5°	204.0	279.7	315.4	296.5	286.0
80°	159.8	225.0	231.3	193.5	170.3
82.5°	117.8	159.8	145.1	113.6	98.8
85°	73.6	100.9	82.0	65.2	63.1
87.5°	33.6	37.9	31.5	31.5	31.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)