

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: P189576

Luminaire Tested: **BRG-WS-3L30-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189576
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34878)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WS-3L30-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 3 (865 mA)
Light Source: (308) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

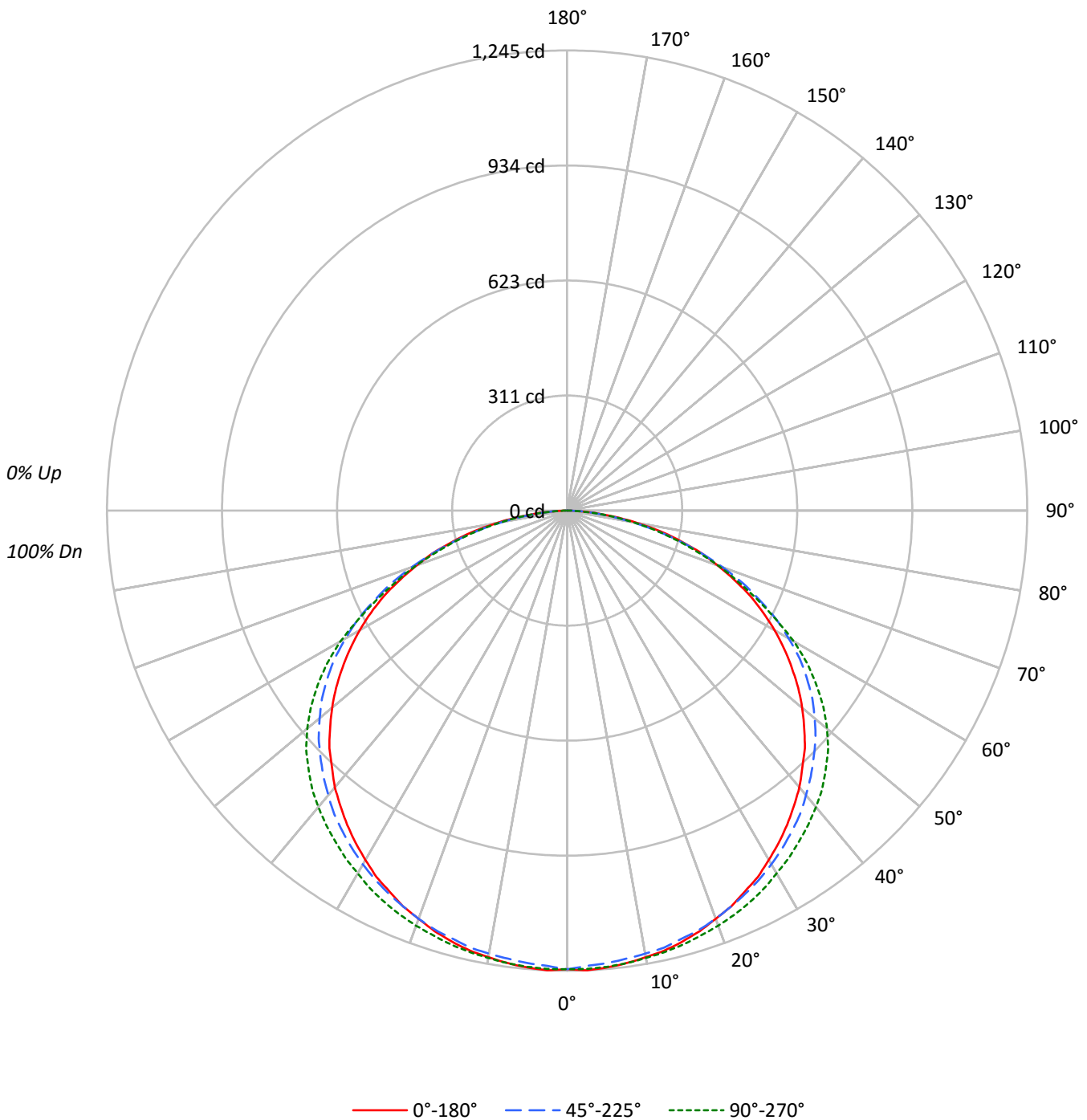
Lumens per Lamp: N/A
Luminaire Lumens: 4067.0 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.36 / 1.47
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 38.7
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



TEST NUMBER: P189576
CATALOG NUMBER: BRG-WS-3L30-LD2-UNV-14-STD

Luminous Intensity Polar Plot





TEST NUMBER: P189576

CATALOG NUMBER: BRG-WS-3L30-LD2-UNV-14-STD

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	95	105	101	97	93	97	93	90		93	90	87		89	87	85	83
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	64	60		68	63	59	56
4	81	68	59	52	79	67	59	52	65	57	51		62	56	50		60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44		56	49	43		54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38		50	43	38		48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33		45	38	33		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		41	35	30		40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27		38	31	27		37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24		35	29	24		34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3801	3801	3801
5°	3816	3779	3810
10°	3817	3786	3823
15°	3828	3803	3853
20°	3831	3831	3896
25°	3844	3864	3952
30°	3860	3910	4009
35°	3880	3962	4089
40°	3909	4021	4189
45°	3941	4088	4287
50°	3955	4165	4374
55°	3964	4230	4401
60°	3972	4241	4339
65°	3963	4179	4107
70°	3878	4003	3896
75°	3754	3661	3590
80°	3378	3133	3168
85°	2664	2383	2242



TEST NUMBER: P189576

CATALOG NUMBER: BRG-WS-3L30-LD2-UNV-14-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	2.9
10°-20°	341.3	8.4
20°-30°	530.7	13.0
30°-40°	666.1	16.4
40°-50°	730.7	18.0
50°-60°	703.1	17.3
60°-70°	560.8	13.8
70°-80°	332.7	8.2
80°-90°	84.0	2.1
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°	989.6	24.3
0°-40°	1655.7	40.7
0°-60°	3089.5	76.0
0°-90°	4067.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4067.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1241	1241	1241	1241	1241	
5°	1241	1239	1229	1239	1239	118
15°	1207	1205	1199	1213	1215	341
25°	1137	1139	1143	1163	1169	525
35°	1038	1042	1060	1085	1093	650
45°	910	918	944	978	990	700
55°	742	760	792	816	824	664
65°	547	569	577	569	567	538
75°	317	341	309	303	303	334
85°	76	72	68	64	64	90
90°	0	0	0	0	0	



TEST NUMBER: P189576

CATALOG NUMBER: BRG-WS-3L30-LD2-UNV-14-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1241.0	1241.0	1241.0	1241.0	1241.0
2.5°	1245.0	1243.0	1233.0	1243.0	1241.0
5°	1241.0	1239.0	1229.0	1239.0	1239.0
7.5°	1235.0	1233.0	1223.1	1235.0	1235.0
10°	1227.0	1225.1	1217.1	1229.0	1229.0
12.5°	1219.1	1217.1	1211.1	1223.1	1223.1
15°	1207.1	1205.1	1199.1	1213.1	1215.1
17.5°	1193.1	1191.1	1189.1	1205.1	1205.1
20°	1175.2	1175.2	1175.2	1193.1	1195.1
22.5°	1159.2	1159.2	1159.2	1179.2	1183.2
25°	1137.3	1139.3	1143.2	1163.2	1169.2
27.5°	1117.3	1117.3	1125.3	1147.2	1153.2
30°	1091.4	1095.4	1105.3	1127.3	1133.3
32.5°	1065.4	1071.4	1083.4	1107.3	1115.3
35°	1037.5	1041.5	1059.5	1085.4	1093.4
37.5°	1007.6	1013.6	1035.5	1063.4	1071.4
40°	977.6	983.6	1005.6	1037.5	1047.5
42.5°	941.7	951.7	975.7	1007.6	1021.5
45°	909.8	917.8	943.7	977.6	989.6
47.5°	869.9	881.9	911.8	943.7	957.7
50°	830.0	844.0	873.9	907.8	917.8
52.5°	788.1	804.1	836.0	863.9	873.9
55°	742.2	760.2	792.1	816.0	824.0
57.5°	696.3	718.3	746.2	762.2	770.1
60°	648.4	668.4	692.3	704.3	708.3
62.5°	598.6	618.5	638.5	636.5	636.5
65°	546.7	568.6	576.6	568.6	566.6
67.5°	488.8	514.8	514.8	500.8	498.8
70°	433.0	458.9	446.9	433.0	435.0
72.5°	379.1	403.0	377.1	365.1	367.1
75°	317.2	341.2	309.3	303.3	303.3
77.5°	257.4	273.3	243.4	239.4	241.4
80°	191.5	205.5	177.6	175.6	179.6
82.5°	129.7	133.7	117.7	119.7	123.7
85°	75.8	71.8	67.8	63.8	63.8
87.5°	27.9	27.9	21.9	20.0	18.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)