

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: P189679

Luminaire Tested: **BRG-WD-1L30-LD2-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34875)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WD-1L30-LD2-UNV-24-STD
Description: BRIDGE 2x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND ROUND PERF INLAY
LIGHT LEVEL 1 (615 mA)
Light Source: (308) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

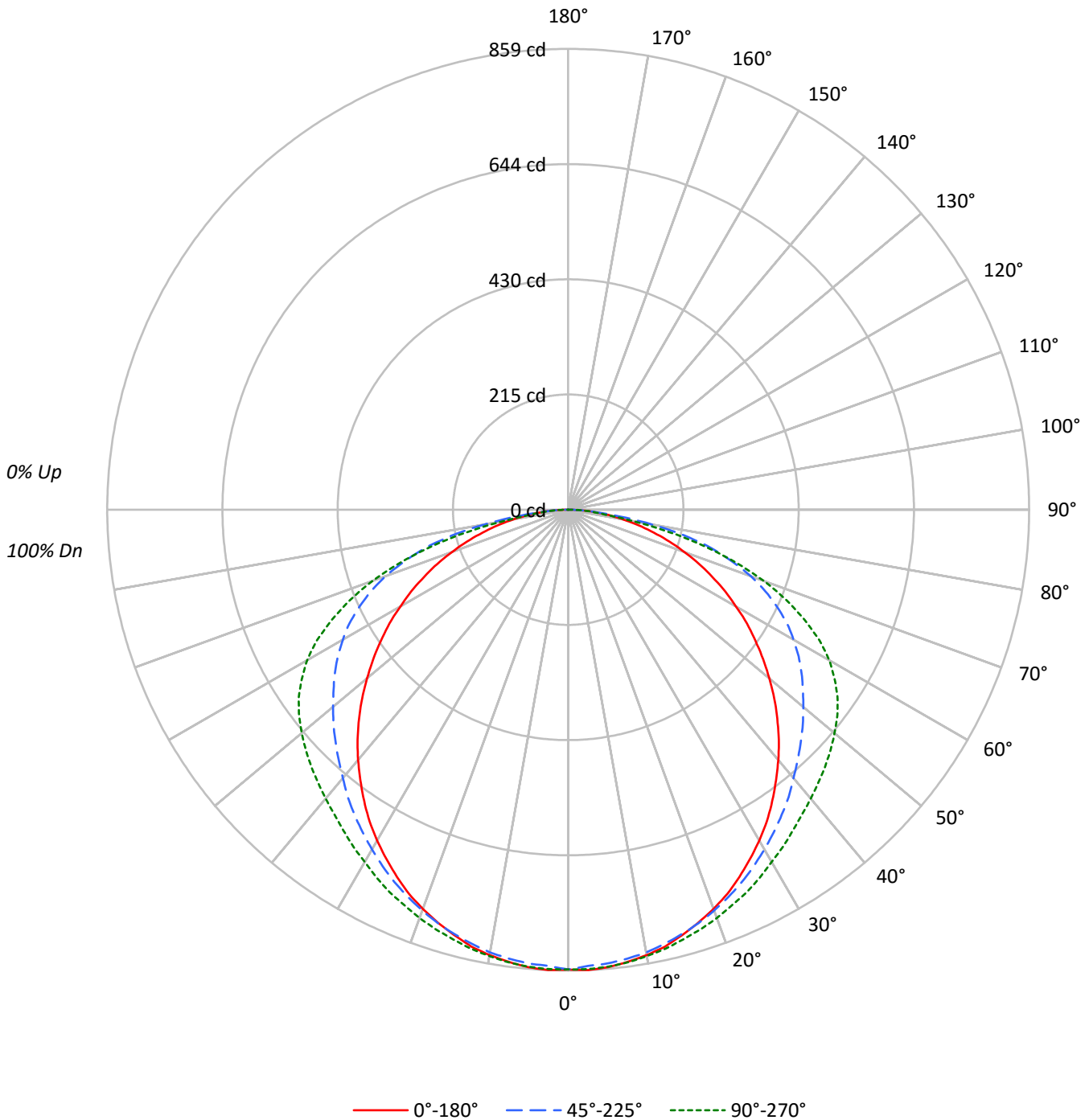
Lumens per Lamp: N/A
Luminaire Lumens: 2783.1 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.32 / 1.43
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): 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: P189679
CATALOG NUMBER: BRG-WD-1L30-LD2-UNV-24-STD

Luminous Intensity Polar Plot





TEST NUMBER: P189679

CATALOG NUMBER: BRG-WD-1L30-LD2-UNV-24-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	98	94	105	100	96	92	96	92	89	92	89	87	88	86	84	82
2	97	88	81	75	95	86	80	74	83	77	72	79	75	70	76	72	69	67
3	88	77	68	61	86	75	67	61	72	65	59	69	63	58	67	62	57	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	44	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	41	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	29	24	35	28	23	34	28	23	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1313	1313	1313
5°	1316	1305	1315
10°	1311	1303	1314
15°	1302	1299	1315
20°	1291	1296	1320
25°	1276	1295	1330
30°	1259	1293	1341
35°	1240	1298	1365
40°	1218	1306	1406
45°	1193	1328	1466
50°	1165	1363	1544
55°	1138	1418	1637
60°	1106	1486	1722
65°	1073	1558	1761
70°	1030	1621	1738
75°	976	1633	1556
80°	908	1402	1058
85°	844	879	773



TEST NUMBER: P189679

CATALOG NUMBER: BRG-WD-1L30-LD2-UNV-24-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.1	2.9
10°-20°	232.5	8.4
20°-30°	354.5	12.7
30°-40°	435.8	15.7
40°-50°	474.3	17.0
50°-60°	470.0	16.9
60°-70°	407.8	14.7
70°-80°	261.3	9.4
80°-90°	65.8	2.4
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°	668.1	24.0
0°-40°	1103.8	39.7
0°-60°	2048.2	73.6
0°-90°	2783.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2783.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	857	857	857	857	857	
5°	856	854	849	854	855	81
15°	821	821	819	828	829	232
25°	755	758	766	781	787	348
35°	663	671	694	720	730	415
45°	551	571	613	658	677	425
55°	426	465	531	590	613	381
65°	296	359	430	475	486	293
75°	165	245	276	271	263	175
85°	48	74	50	44	44	54
90°	0	0	0	0	0	



TEST NUMBER: P189679

CATALOG NUMBER: BRG-WD-1L30-LD2-UNV-24-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	857	857	857	857	857
2.5°	859	857	851	857	857
5°	856	854	849	854	855
7.5°	850	849	844	850	851
10°	843	841	838	844	845
12.5°	834	832	829	837	838
15°	821	821	819	828	829
17.5°	807	808	808	818	820
20°	792	793	795	807	810
22.5°	775	776	781	795	798
25°	755	758	766	781	787
27.5°	734	738	749	766	773
30°	712	717	731	752	758
32.5°	689	695	713	736	745
35°	663	671	694	720	730
37.5°	636	647	675	705	716
40°	609	622	653	689	703
42.5°	581	597	633	673	690
45°	551	571	613	658	677
47.5°	521	544	593	642	663
50°	489	518	572	625	648
52.5°	458	490	551	608	632
55°	426	465	531	590	613
57.5°	395	438	509	567	589
60°	361	412	485	541	562
62.5°	330	386	460	511	528
65°	296	359	430	475	486
67.5°	264	333	398	431	440
70°	230	307	362	386	388
72.5°	198	277	320	329	328
75°	165	245	276	271	263
77.5°	135	211	222	203	194
80°	103	173	159	129	120
82.5°	75	129	96	74	69
85°	48	74	50	44	44
87.5°	23	28	23	23	23
90°	0	0	0	0	0

(END OF REPORT)