

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: P189504

Luminaire Tested: **BRG-WS-3L30-LD2-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189504
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-3L30-LD2-UNV-22-STD
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 3 (628 mA)
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

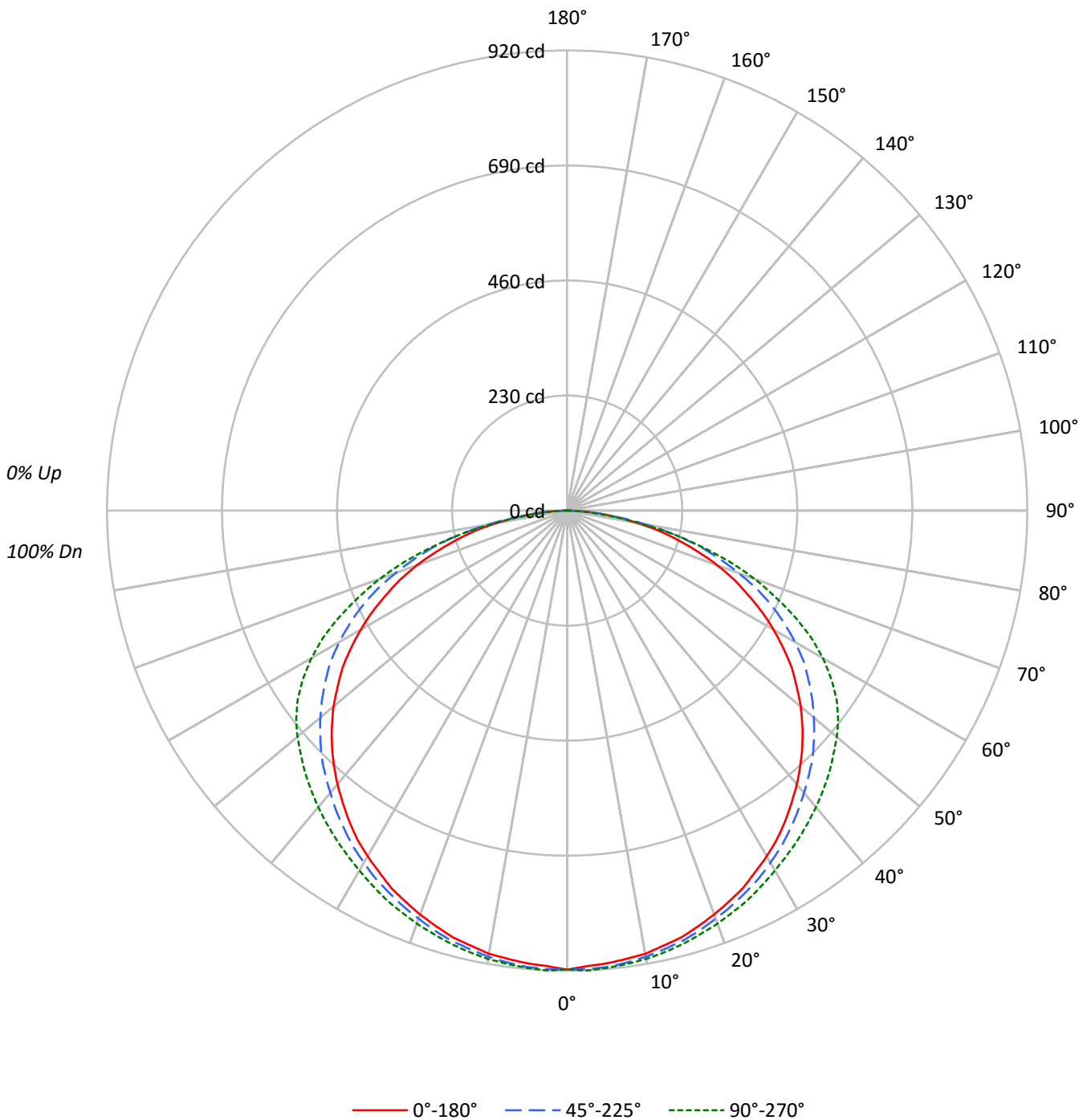
Lumens per Lamp: N/A
Luminaire Lumens: 3076.0 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.36 / 1.47
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.7
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: P189504
CATALOG NUMBER: BRG-WS-3L30-LD2-UNV-22-STD

Luminous Intensity Polar Plot





TEST NUMBER: P189504

CATALOG NUMBER: BRG-WS-3L30-LD2-UNV-22-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	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°	2939	2939	2939
5°	2921	2945	2950
10°	2925	2945	2960
15°	2928	2953	2973
20°	2929	2959	2995
25°	2941	2978	3031
30°	2951	3006	3073
35°	2968	3038	3143
40°	2986	3080	3236
45°	3012	3147	3357
50°	3038	3209	3507
55°	3062	3287	3671
60°	3053	3369	3781
65°	3024	3431	3805
70°	2994	3414	3736
75°	2866	3366	3421
80°	2619	2921	2755
85°	2142	2087	1812



TEST NUMBER: P189504

CATALOG NUMBER: BRG-WS-3L30-LD2-UNV-22-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.0	2.8
10°-20°	251.4	8.2
20°-30°	389.3	12.7
30°-40°	488.1	15.9
40°-50°	538.9	17.5
50°-60°	531.1	17.3
60°-70°	445.5	14.5
70°-80°	275.8	9.0
80°-90°	69.0	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°	727.7	23.7
0°-40°	1215.7	39.5
0°-60°	2285.7	74.3
0°-90°	3076.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3076.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	918	918	918	918	918	
5°	909	912	916	918	918	86
15°	883	885	891	895	897	249
25°	832	834	843	853	858	383
35°	759	762	777	795	804	475
45°	665	671	695	723	741	513
55°	548	556	589	632	658	488
65°	399	418	453	487	502	396
75°	232	256	272	272	276	245
85°	58	66	57	49	49	68
90°	0	0	0	0	0	



TEST NUMBER: P189504

CATALOG NUMBER: BRG-WS-3L30-LD2-UNV-22-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	917.6	917.6	917.6	917.6	917.6
2.5°	911.6	914.6	917.6	920.5	920.5
5°	908.6	911.6	916.1	917.6	917.6
7.5°	904.1	907.1	911.6	913.1	914.6
10°	899.6	901.1	905.6	908.6	910.1
12.5°	890.7	893.6	898.1	902.6	904.1
15°	883.2	884.7	890.7	895.1	896.6
17.5°	871.2	874.2	880.2	886.2	887.7
20°	859.3	860.8	868.2	875.7	878.7
22.5°	845.8	848.8	856.3	865.2	868.2
25°	832.4	833.9	842.8	853.3	857.8
27.5°	814.4	818.9	829.4	838.4	844.3
30°	798.0	801.0	812.9	824.9	830.9
32.5°	780.1	783.1	796.5	811.5	817.4
35°	759.1	762.1	777.1	795.0	804.0
37.5°	736.7	741.2	757.7	778.6	789.0
40°	714.3	718.8	736.7	762.1	774.1
42.5°	690.4	694.9	715.8	744.2	757.7
45°	665.0	671.0	694.9	723.3	741.2
47.5°	638.1	645.6	669.5	705.4	721.8
50°	609.7	615.7	644.1	682.9	703.9
52.5°	578.3	587.3	617.2	660.5	682.9
55°	548.4	555.9	588.8	632.1	657.5
57.5°	512.6	524.5	560.4	602.2	626.1
60°	476.7	490.2	526.0	567.9	590.3
62.5°	439.3	455.8	490.2	530.5	549.9
65°	399.0	418.4	452.8	487.2	502.1
67.5°	361.6	379.6	411.0	437.9	449.8
70°	319.8	339.2	364.6	387.0	399.0
72.5°	275.0	298.9	318.3	330.3	340.7
75°	231.6	255.5	272.0	272.0	276.5
77.5°	189.8	207.7	216.7	213.7	216.7
80°	142.0	159.9	158.4	152.4	149.4
82.5°	98.6	110.6	104.6	95.6	92.7
85°	58.3	65.8	56.8	49.3	49.3
87.5°	23.9	25.4	17.9	13.4	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)