

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: P189564

Luminaire Tested: **BRG-WN-3L35-LD2-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189564
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-3L35-LD2-UNV-22-STD
Description: BRIDGE 2x2 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND NANO PRISM INLAY
LIGHT LEVEL 3 (628 mA)
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

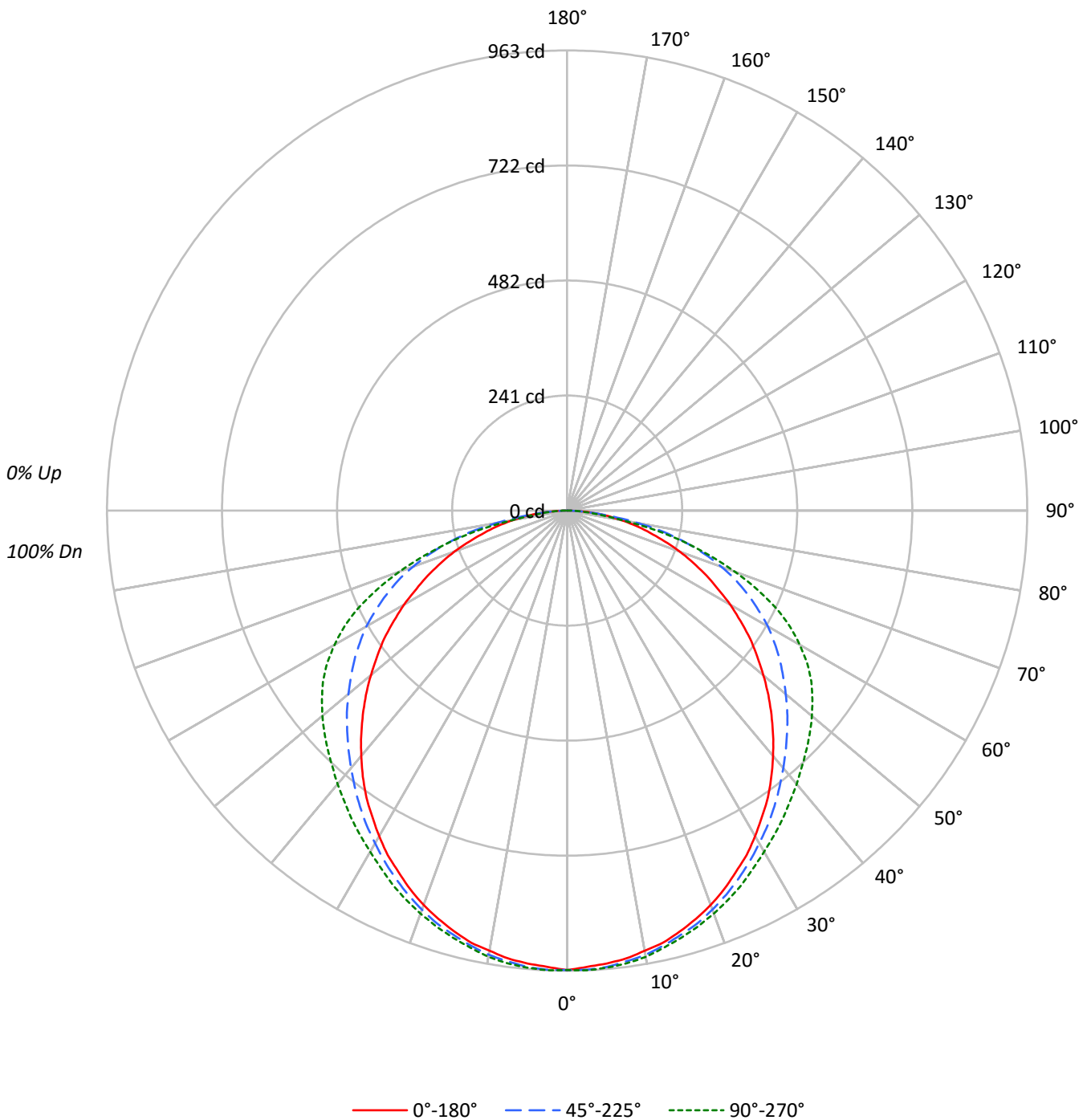
Lumens per Lamp: N/A
Luminaire Lumens: 2926.1 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.83' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.7
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



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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	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°	3080	3080	3080
5°	3058	3082	3086
10°	3042	3070	3084
15°	3024	3048	3067
20°	2994	3029	3059
25°	2950	3001	3053
30°	2909	2974	3049
35°	2865	2956	3076
40°	2802	2942	3125
45°	2738	2949	3207
50°	2671	2976	3332
55°	2611	3034	3482
60°	2529	3108	3602
65°	2440	3168	3654
70°	2346	3219	3493
75°	2217	3155	3137
80°	2123	2768	2176
85°	1981	1981	1606



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.9	3.1
10°-20°	259.4	8.9
20°-30°	391.5	13.4
30°-40°	474.2	16.2
40°-50°	505.0	17.3
50°-60°	485.8	16.6
60°-70°	405.6	13.9
70°-80°	250.2	8.6
80°-90°	63.5	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°	741.8	25.4
0°-40°	1216.0	41.6
0°-60°	2206.8	75.4
0°-90°	2926.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2926.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	962	962	962	962	962	
5°	951	954	959	960	960	90
15°	912	915	919	924	925	257
25°	835	839	849	860	864	385
35°	733	739	756	776	787	458
45°	605	618	651	689	708	467
55°	468	491	543	597	624	417
65°	322	364	418	462	482	318
75°	179	227	255	256	254	191
85°	54	66	54	45	44	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	961.6	961.6	961.6	961.6	961.6
2.5°	955.7	957.2	961.6	963.0	963.0
5°	951.4	954.3	958.7	960.1	960.1
7.5°	945.5	947.0	951.4	954.3	955.7
10°	935.3	938.3	944.1	947.0	948.5
12.5°	926.6	926.6	932.4	936.8	936.8
15°	912.0	915.0	919.3	923.7	925.1
17.5°	896.0	898.9	906.2	910.6	912.0
20°	878.5	881.4	888.7	894.6	897.5
22.5°	858.1	861.0	869.8	878.5	881.4
25°	834.8	839.2	849.4	859.6	864.0
27.5°	813.0	815.9	827.5	839.2	843.6
30°	786.7	791.1	804.2	818.8	824.6
32.5°	759.1	766.3	780.9	798.4	805.7
35°	732.8	738.7	756.1	776.5	786.7
37.5°	702.2	709.5	729.9	754.7	766.3
40°	670.2	678.9	703.7	731.4	747.4
42.5°	638.1	649.8	677.5	711.0	727.0
45°	604.6	617.7	651.2	689.1	708.1
47.5°	571.1	587.1	625.0	667.3	689.1
50°	536.1	555.1	597.3	645.4	668.7
52.5°	501.2	523.0	569.7	620.7	646.9
55°	467.7	491.0	543.4	597.3	623.6
57.5°	429.8	457.5	514.3	568.2	595.9
60°	394.8	426.9	485.2	537.6	562.4
62.5°	355.5	396.3	451.6	504.1	526.0
65°	322.0	364.2	418.1	461.8	482.2
67.5°	285.6	330.7	383.2	418.1	429.8
70°	250.6	297.2	343.8	367.1	373.0
72.5°	214.2	263.7	301.6	314.7	313.2
75°	179.2	227.3	255.0	256.4	253.5
77.5°	147.1	189.4	208.3	196.7	190.9
80°	115.1	148.6	150.1	131.1	118.0
82.5°	84.5	107.8	96.2	78.7	71.4
85°	53.9	65.6	53.9	45.2	43.7
87.5°	23.3	26.2	20.4	18.9	17.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)