

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: P189625

Luminaire Tested: **BRG-WN-2L35-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34885)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WN-2L35-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND NANO PRISM INLAY
LIGHT LEVEL 2 (635 mA)
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

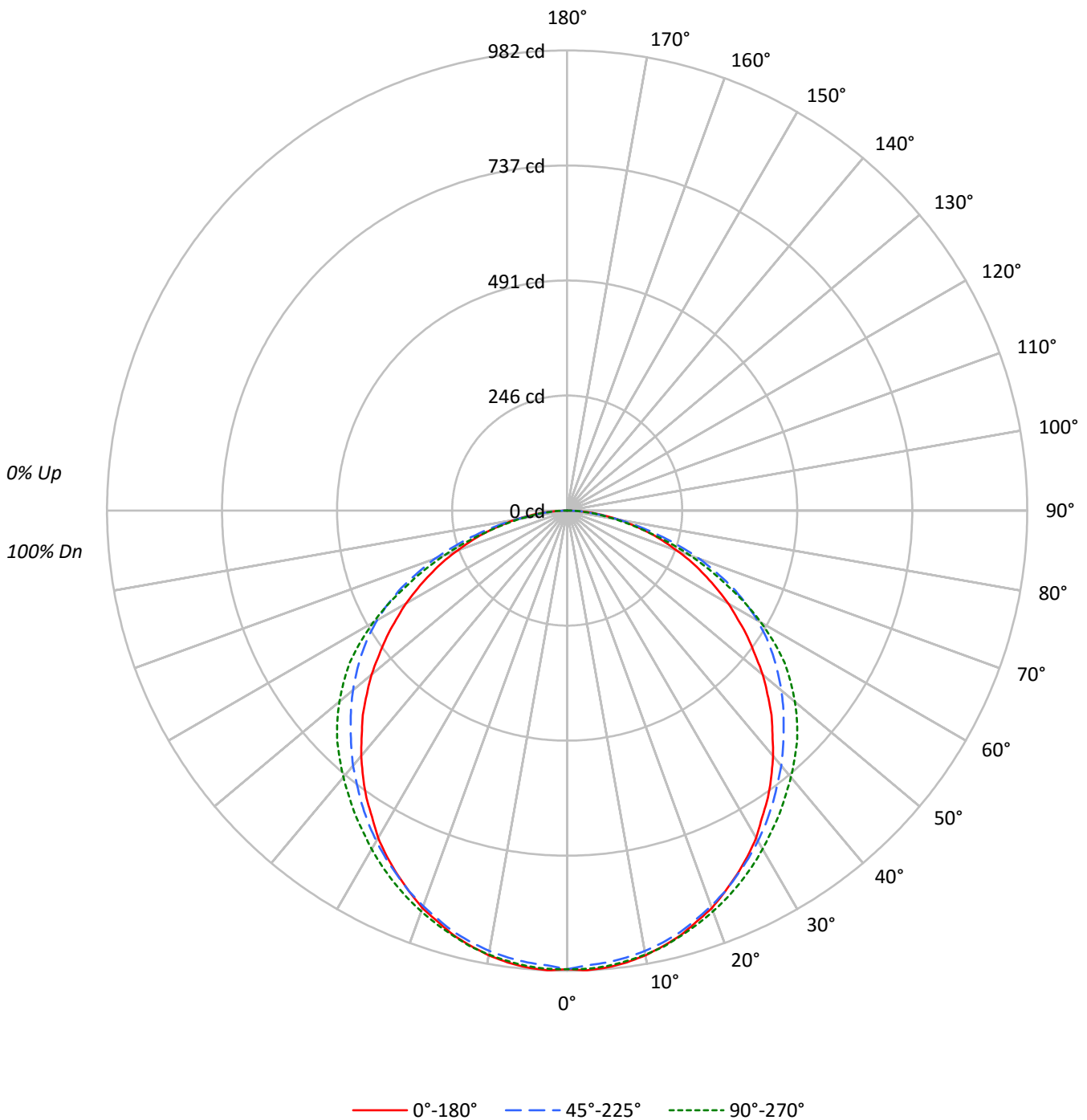
Lumens per Lamp: N/A
Luminaire Lumens: 2843.3 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.1
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



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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	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2998	2998	2998
5°	3010	2977	3001
10°	2997	2969	2993
15°	2974	2954	2978
20°	2943	2928	2967
25°	2897	2902	2958
30°	2854	2881	2951
35°	2795	2858	2955
40°	2733	2843	2971
45°	2671	2829	3007
50°	2597	2844	3025
55°	2512	2861	3024
60°	2434	2873	2928
65°	2339	2825	2725
70°	2222	2686	2495
75°	2126	2397	2126
80°	1986	1960	1799
85°	1821	1550	1550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.6	3.3
10°-20°	264.1	9.3
20°-30°	398.2	14.0
30°-40°	480.0	16.9
40°-50°	505.3	17.8
50°-60°	470.8	16.6
60°-70°	367.5	12.9
70°-80°	210.1	7.4
80°-90°	54.9	1.9
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°	754.8	26.5
0°-40°	1234.9	43.4
0°-60°	2210.9	77.8
0°-90°	2843.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2843.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	979	979	979	979	979	
5°	979	976	968	976	976	93
15°	938	936	932	941	939	264
25°	857	857	859	872	875	395
35°	747	752	764	784	790	467
45°	616	629	653	684	694	475
55°	470	496	536	560	566	420
65°	323	364	390	384	376	320
75°	180	227	202	186	180	189
85°	52	50	44	43	44	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	978.8	978.8	978.8	978.8	978.8
2.5°	981.9	980.3	971.2	980.3	978.8
5°	978.8	975.8	968.2	975.8	975.8
7.5°	972.7	969.7	962.1	971.2	969.7
10°	963.6	962.1	954.5	962.1	962.1
12.5°	951.4	949.9	943.8	951.4	952.9
15°	937.7	936.2	931.6	940.8	939.2
17.5°	919.5	919.5	914.9	925.5	925.5
20°	902.7	901.2	898.1	908.8	910.3
22.5°	879.9	878.4	879.9	892.1	893.6
25°	857.0	857.0	858.6	872.3	875.3
27.5°	832.7	834.2	837.2	852.5	855.5
30°	806.8	808.3	814.4	829.6	834.2
32.5°	774.8	780.9	790.1	806.8	811.4
35°	747.4	752.0	764.2	784.0	790.1
37.5°	715.5	721.6	736.8	759.6	765.7
40°	683.5	691.1	710.9	733.7	742.9
42.5°	648.5	660.7	682.0	707.9	718.5
45°	616.5	628.7	653.1	683.5	694.2
47.5°	580.0	595.2	625.7	654.6	665.2
50°	545.0	561.7	596.7	625.7	634.8
52.5°	505.4	529.8	566.3	593.7	601.3
55°	470.4	496.3	535.8	560.2	566.3
57.5°	432.3	464.3	503.9	522.1	523.7
60°	397.3	432.3	468.9	478.0	478.0
62.5°	359.3	398.8	430.8	432.3	429.3
65°	322.7	363.8	389.7	383.6	376.0
67.5°	287.7	331.9	344.0	333.4	327.3
70°	248.1	298.4	299.9	283.1	278.6
72.5°	214.6	261.8	251.2	232.9	228.3
75°	179.6	226.8	202.5	185.7	179.6
77.5°	143.1	185.7	156.8	140.0	138.5
80°	112.6	140.0	111.1	100.5	102.0
82.5°	79.2	92.9	73.1	71.5	71.5
85°	51.8	50.2	44.1	42.6	44.1
87.5°	22.8	21.3	19.8	18.3	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)