

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: P189585

Luminaire Tested: **BRG-WS-2L40-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189585
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-2L40-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE LIGHT LEVEL 2 (635 mA)
Light Source: (308) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

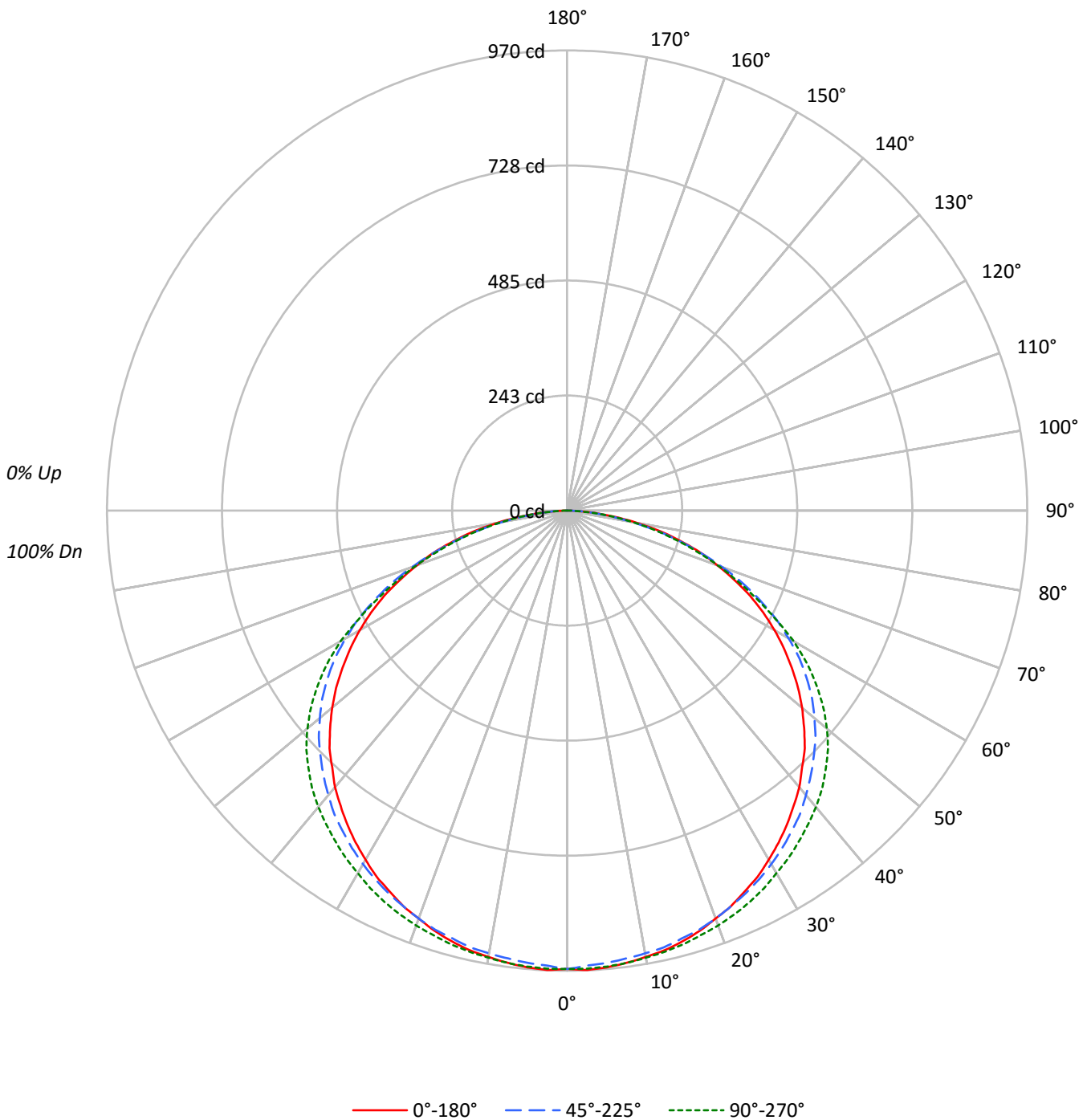
Lumens per Lamp: N/A
Luminaire Lumens: 3167.0 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.36 / 1.47
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.1
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: P189585
CATALOG NUMBER: BRG-WS-2L40-LD2-UNV-14-STD

Luminous Intensity Polar Plot





TEST NUMBER: P189585

CATALOG NUMBER: BRG-WS-2L40-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°	2960	2960	2960
5°	2972	2943	2967
10°	2972	2948	2977
15°	2981	2961	3001
20°	2983	2983	3034
25°	2993	3009	3077
30°	3006	3044	3122
35°	3021	3085	3184
40°	3044	3131	3262
45°	3069	3184	3338
50°	3080	3243	3406
55°	3087	3294	3427
60°	3093	3303	3379
65°	3086	3254	3198
70°	3019	3117	3034
75°	2923	2850	2796
80°	2632	2440	2466
85°	2074	1856	1747



TEST NUMBER: P189585

CATALOG NUMBER: BRG-WS-2L40-LD2-UNV-14-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	2.9
10°-20°	265.8	8.4
20°-30°	413.2	13.0
30°-40°	518.7	16.4
40°-50°	569.0	18.0
50°-60°	547.5	17.3
60°-70°	436.7	13.8
70°-80°	259.0	8.2
80°-90°	65.4	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°	770.6	24.3
0°-40°	1289.3	40.7
0°-60°	2405.9	76.0
0°-90°	3167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3167.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	966	965	957	965	965	92
15°	940	938	934	945	946	265
25°	886	887	890	906	910	409
35°	808	811	825	845	851	506
45°	708	715	735	761	771	545
55°	578	592	617	636	642	517
65°	426	443	449	443	441	419
75°	247	266	241	236	236	260
85°	59	56	53	50	50	70
90°	0	0	0	0	0	



TEST NUMBER: P189585

CATALOG NUMBER: BRG-WS-2L40-LD2-UNV-14-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	966.4	966.4	966.4	966.4	966.4
2.5°	969.5	967.9	960.2	967.9	966.4
5°	966.4	964.8	957.1	964.8	964.8
7.5°	961.7	960.2	952.4	961.7	961.7
10°	955.5	954.0	947.7	957.1	957.1
12.5°	949.3	947.7	943.1	952.4	952.4
15°	940.0	938.4	933.8	944.6	946.2
17.5°	929.1	927.5	926.0	938.4	938.4
20°	915.1	915.1	915.1	929.1	930.7
22.5°	902.7	902.7	902.7	918.2	921.3
25°	885.6	887.2	890.3	905.8	910.5
27.5°	870.1	870.1	876.3	893.4	898.0
30°	849.9	853.0	860.7	877.8	882.5
32.5°	829.7	834.3	843.7	862.3	868.5
35°	807.9	811.0	825.0	845.2	851.4
37.5°	784.6	789.3	806.4	828.1	834.3
40°	761.3	766.0	783.1	807.9	815.7
42.5°	733.3	741.1	759.8	784.6	795.5
45°	708.5	714.7	734.9	761.3	770.6
47.5°	677.4	686.7	710.0	734.9	745.8
50°	646.3	657.2	680.5	706.9	714.7
52.5°	613.7	626.1	651.0	672.7	680.5
55°	578.0	592.0	616.8	635.5	641.7
57.5°	542.2	559.3	581.1	593.5	599.7
60°	504.9	520.5	539.1	548.5	551.6
62.5°	466.1	481.6	497.2	495.6	495.6
65°	425.7	442.8	449.0	442.8	441.2
67.5°	380.7	400.9	400.9	390.0	388.4
70°	337.1	357.3	348.0	337.1	338.7
72.5°	295.2	313.8	293.6	284.3	285.9
75°	247.0	265.7	240.8	236.2	236.2
77.5°	200.4	212.9	189.5	186.4	188.0
80°	149.2	160.0	138.3	136.7	139.8
82.5°	101.0	104.1	91.7	93.2	96.3
85°	59.0	55.9	52.8	49.7	49.7
87.5°	21.8	21.8	17.1	15.5	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)