

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: P189589

Luminaire Tested: **BRG-WG-1L30-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189589
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34883)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WG-1L30-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND
RECTANGULAR PERF INLAY
LIGHT LEVEL 1 (425 mA)
Light Source: (308) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

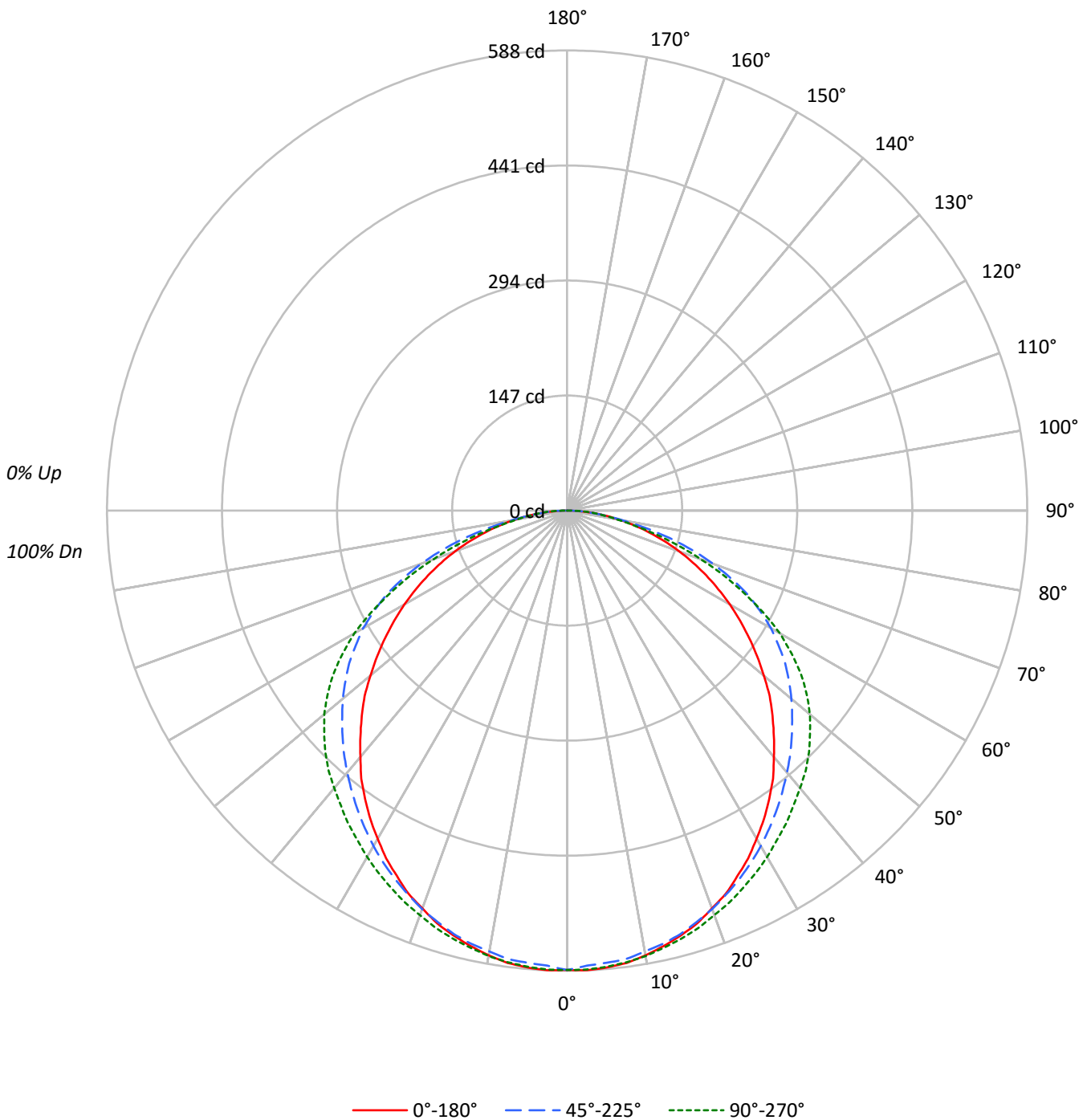
Lumens per Lamp: N/A
Luminaire Lumens: 1768.0 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.4
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 18.7
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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83				83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68				68
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57				57
4	81	69	60	53	79	68	59	53	65	58	52	63	57	51	61	55	51	48				48
5	75	62	52	46	73	60	52	45	58	51	45	56	50	44	54	49	44	42				42
6	69	55	46	40	67	54	46	39	53	45	39	51	44	39	49	43	38	36				36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32				32
8	59	46	37	31	58	45	37	31	44	36	31	42	35	30	41	35	30	28				28
9	55	42	33	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25				25
10	52	39	31	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23				23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1798	1798	1798
5°	1802	1783	1799
10°	1795	1779	1798
15°	1782	1776	1795
20°	1764	1767	1793
25°	1741	1758	1798
30°	1712	1751	1807
35°	1683	1746	1825
40°	1644	1747	1851
45°	1607	1759	1893
50°	1563	1782	1930
55°	1517	1816	1949
60°	1470	1844	1924
65°	1421	1848	1805
70°	1361	1773	1630
75°	1290	1598	1385
80°	1200	1288	1129
85°	1090	1054	1125



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	3.1
10°-20°	158.8	9.0
20°-30°	240.9	13.6
30°-40°	293.2	16.6
40°-50°	312.8	17.7
50°-60°	296.7	16.8
60°-70°	236.8	13.4
70°-80°	136.4	7.7
80°-90°	36.8	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°	455.2	25.7
0°-40°	748.5	42.3
0°-60°	1357.9	76.8
0°-90°	1768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1768.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	587	587	587	587	587	
5°	586	585	580	585	585	56
15°	562	562	560	566	566	159
25°	515	517	520	530	532	237
35°	450	455	467	483	488	281
45°	371	382	406	429	437	286
55°	284	306	340	360	365	254
65°	196	231	255	253	249	194
75°	109	147	135	122	117	116
85°	31	33	30	31	32	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	587	587	587	587	587
2.5°	588	587	582	587	587
5°	586	585	580	585	585
7.5°	583	582	578	582	582
10°	577	576	572	578	578
12.5°	570	570	567	572	572
15°	562	562	560	566	566
17.5°	553	552	551	558	559
20°	541	541	542	549	550
22.5°	530	530	531	540	542
25°	515	517	520	530	532
27.5°	501	502	508	519	522
30°	484	488	495	507	511
32.5°	468	472	481	495	499
35°	450	455	467	483	488
37.5°	432	437	452	470	475
40°	411	420	437	456	463
42.5°	391	401	422	443	451
45°	371	382	406	429	437
47.5°	351	363	390	414	421
50°	328	344	374	397	405
52.5°	306	325	357	380	386
55°	284	306	340	360	365
57.5°	262	287	320	337	340
60°	240	268	301	312	314
62.5°	218	250	278	284	283
65°	196	231	255	253	249
67.5°	174	211	227	220	217
70°	152	191	198	187	182
72.5°	131	170	167	154	149
75°	109	147	135	122	117
77.5°	89	122	102	90	87
80°	68	93	73	65	64
82.5°	49	62	48	47	47
85°	31	33	30	31	32
87.5°	14	15	16	16	17
90°	0	0	0	0	0

(END OF REPORT)