

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: P189622

Luminaire Tested: **BRG-WN-4L30-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189622
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-4L30-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND NANO PRISM INLAY
LIGHT LEVEL 4 (1100 mA)
Light Source: (308) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4652.6 lumens
Efficiency: N/A
Efficacy: 92.7 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

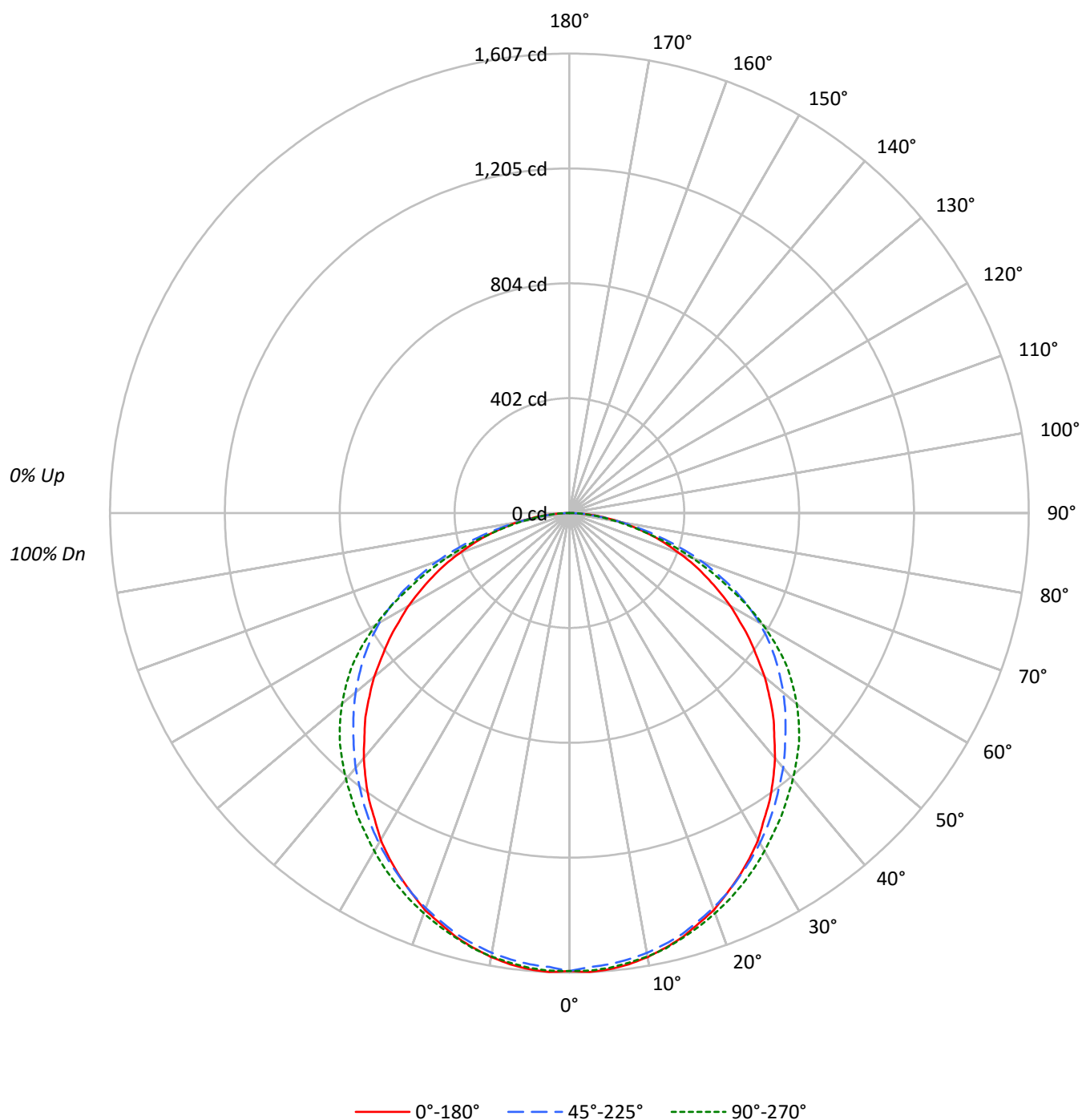
Input Watts (W): 50.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	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		100
1	109	104	99	95	106	101	97	94	97	94	91		93	90	88		83
2	98	90	83	77	96	88	82	76	85	79	74		81	77	73		69
3	90	79	71	64	87	77	70	63	74	68	62		71	66	61		58
4	82	70	61	54	80	68	60	54	66	59	53		63	57	52		49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		42
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		33
8	60	46	38	32	58	45	37	32	44	37	31		43	36	31		29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4906	4906	4906
5°	4925	4871	4910
10°	4904	4858	4897
15°	4866	4834	4874
20°	4815	4791	4856
25°	4740	4748	4841
30°	4670	4714	4828
35°	4573	4676	4834
40°	4472	4652	4861
45°	4370	4629	4921
50°	4249	4653	4950
55°	4111	4683	4949
60°	3983	4700	4792
65°	3828	4622	4460
70°	3636	4395	4082
75°	3478	3921	3478
80°	3251	3207	2944
85°	2977	2538	2538



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.5	3.3
10°-20°	432.2	9.3
20°-30°	651.5	14.0
30°-40°	785.5	16.9
40°-50°	826.7	17.8
50°-60°	770.4	16.6
60°-70°	601.3	12.9
70°-80°	343.7	7.4
80°-90°	89.8	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°	1235.2	26.5
0°-40°	2020.6	43.4
0°-60°	3617.7	77.8
0°-90°	4652.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4652.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1602	1602	1602	1602	1602	
5°	1602	1597	1584	1597	1597	152
15°	1534	1532	1524	1539	1537	432
25°	1402	1402	1405	1427	1432	646
35°	1223	1230	1250	1283	1293	764
45°	1009	1029	1069	1118	1136	777
55°	770	812	877	917	927	688
65°	528	595	638	628	615	523
75°	294	371	331	304	294	310
85°	85	82	72	70	72	94
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1601.7	1601.7	1601.7	1601.7	1601.7
2.5°	1606.6	1604.1	1589.2	1604.1	1601.7
5°	1601.7	1596.7	1584.2	1596.7	1596.7
7.5°	1591.7	1586.7	1574.3	1589.2	1586.7
10°	1576.7	1574.3	1561.8	1574.3	1574.3
12.5°	1556.8	1554.3	1544.4	1556.8	1559.3
15°	1534.4	1531.9	1524.4	1539.4	1536.9
17.5°	1504.5	1504.5	1497.0	1514.5	1514.5
20°	1477.1	1474.6	1469.6	1487.1	1489.6
22.5°	1439.7	1437.3	1439.7	1459.7	1462.2
25°	1402.4	1402.4	1404.9	1427.3	1432.3
27.5°	1362.5	1365.0	1370.0	1394.9	1399.9
30°	1320.2	1322.7	1332.6	1357.5	1365.0
32.5°	1267.9	1277.8	1292.8	1320.2	1327.7
35°	1223.0	1230.5	1250.4	1282.8	1292.8
37.5°	1170.7	1180.7	1205.6	1243.0	1252.9
40°	1118.4	1130.9	1163.3	1200.6	1215.6
42.5°	1061.1	1081.1	1115.9	1158.3	1175.7
45°	1008.8	1028.7	1068.6	1118.4	1135.9
47.5°	949.0	973.9	1023.8	1071.1	1088.5
50°	891.7	919.1	976.4	1023.8	1038.7
52.5°	827.0	866.8	926.6	971.5	983.9
55°	769.7	812.0	876.8	916.7	926.6
57.5°	707.4	759.7	824.5	854.4	856.9
60°	650.1	707.4	767.2	782.1	782.1
62.5°	587.9	652.6	704.9	707.4	702.4
65°	528.1	595.3	637.7	627.7	615.3
67.5°	470.8	543.0	562.9	545.5	535.5
70°	406.0	488.2	490.7	463.3	455.8
72.5°	351.2	428.4	411.0	381.1	373.6
75°	293.9	371.1	331.3	303.9	293.9
77.5°	234.1	303.9	256.6	229.2	226.7
80°	184.3	229.2	181.8	164.4	166.9
82.5°	129.5	151.9	119.6	117.1	117.1
85°	84.7	82.2	72.2	69.7	72.2
87.5°	37.4	34.9	32.4	29.9	29.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)