

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: P189608

Luminaire Tested: **BRG-WD-5L30-LD2-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34884)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WD-5L30-LD2-UNV-14-STD
Description: BRIDGE 1x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND ROUND PERF INLAY
LIGHT LEVEL 5 (1285 mA)
Light Source: (308) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5259.0 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.41
Luminous Opening: Rectangular (W 0.92' x L: 3.83' x H: 0')
CIE Type: Direct

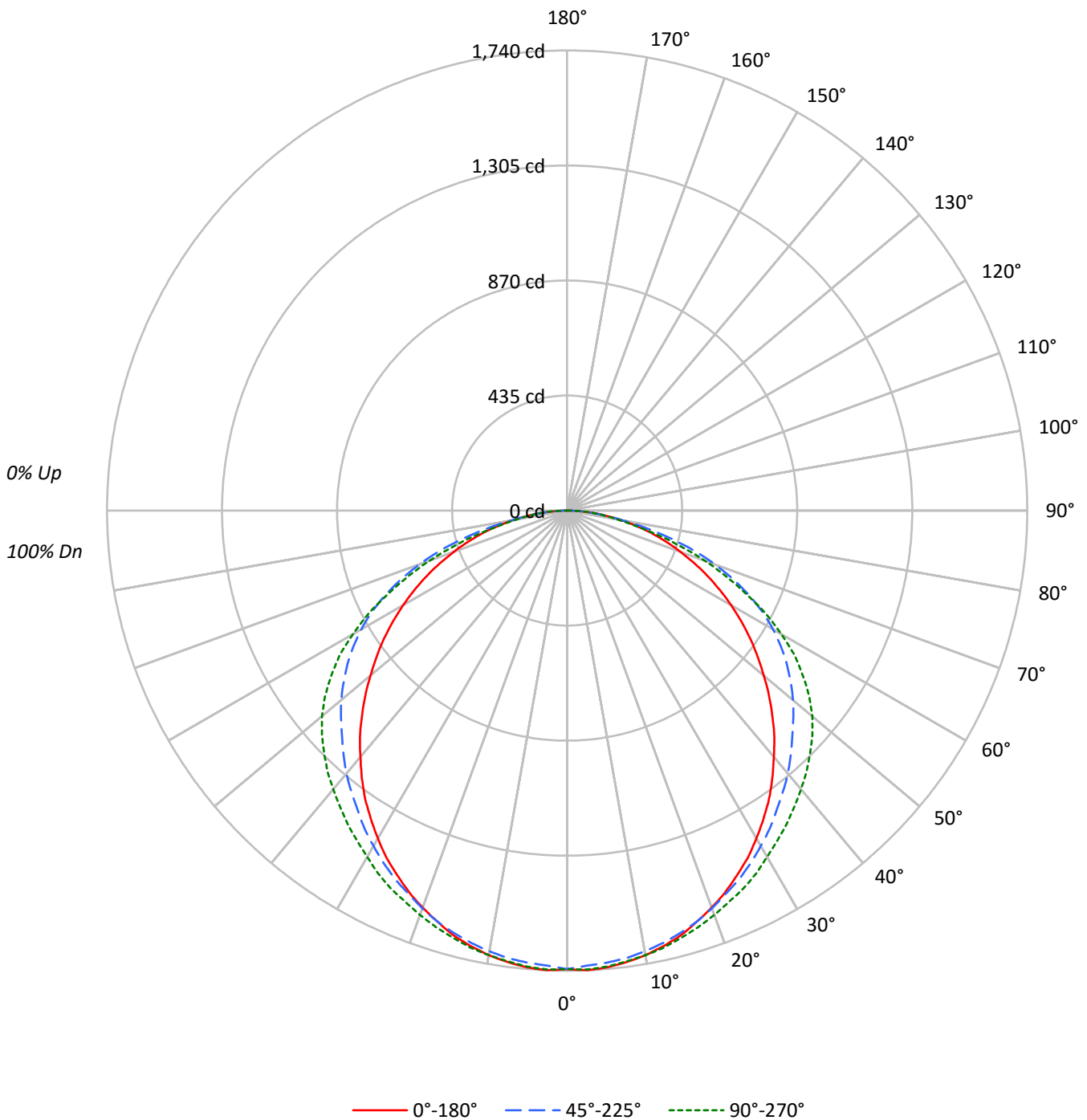
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	82	76	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	62	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	61	55	50	48
5	75	61	52	45	73	60	52	45	58	51	45	56	49	44	54	48	44	41
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	32	27	25
10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5311	5311	5311
5°	5331	5277	5322
10°	5310	5264	5310
15°	5273	5245	5301
20°	5208	5218	5304
25°	5140	5200	5330
30°	5065	5180	5347
35°	4978	5167	5410
40°	4863	5194	5501
45°	4755	5216	5627
50°	4625	5316	5766
55°	4519	5420	5814
60°	4387	5510	5728
65°	4246	5511	5425
70°	4081	5326	4955
75°	3922	4763	4202
80°	3653	3810	3392
85°	3328	3121	3223



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.1	3.1
10°-20°	469.3	8.9
20°-30°	712.3	13.5
30°-40°	868.0	16.5
40°-50°	929.2	17.7
50°-60°	886.0	16.8
60°-70°	709.2	13.5
70°-80°	410.7	7.8
80°-90°	110.2	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°	1345.6	25.6
0°-40°	2213.7	42.1
0°-60°	4029.0	76.6
0°-90°	5259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5259.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1734	1734	1734	1734	1734	
5°	1734	1731	1716	1731	1731	165
15°	1663	1660	1654	1672	1672	468
25°	1521	1527	1538	1568	1577	701
35°	1331	1343	1382	1429	1447	832
45°	1098	1133	1204	1278	1299	847
55°	846	914	1015	1077	1089	756
65°	586	689	760	757	748	580
75°	331	441	402	367	355	349
85°	95	101	89	92	92	105
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1733.7	1733.7	1733.7	1733.7	1733.7
2.5°	1739.6	1736.7	1721.9	1733.7	1736.7
5°	1733.7	1730.7	1716.0	1730.7	1730.7
7.5°	1721.9	1718.9	1707.1	1721.9	1718.9
10°	1707.1	1704.1	1692.3	1707.1	1707.1
12.5°	1686.4	1683.4	1674.5	1692.3	1692.3
15°	1662.7	1659.7	1653.8	1671.6	1671.6
17.5°	1630.2	1630.2	1630.2	1647.9	1650.9
20°	1597.6	1600.6	1600.6	1624.2	1627.2
22.5°	1562.1	1565.1	1568.0	1597.6	1600.6
25°	1520.7	1526.6	1538.4	1568.0	1576.9
27.5°	1479.3	1485.2	1502.9	1535.5	1547.3
30°	1431.9	1437.9	1464.5	1500.0	1511.8
32.5°	1381.6	1393.5	1426.0	1464.5	1479.3
35°	1331.3	1343.2	1381.6	1429.0	1446.7
37.5°	1275.1	1292.9	1340.2	1393.5	1411.2
40°	1216.0	1242.6	1298.8	1358.0	1375.7
42.5°	1159.8	1186.4	1251.5	1316.6	1340.2
45°	1097.6	1133.1	1204.1	1278.1	1298.8
47.5°	1035.5	1076.9	1159.8	1233.7	1257.4
50°	970.4	1023.7	1115.4	1186.4	1210.0
52.5°	908.3	967.4	1065.1	1133.1	1153.8
55°	846.1	914.2	1014.8	1076.9	1088.7
57.5°	781.1	858.0	958.6	1011.8	1020.7
60°	716.0	801.8	899.4	934.9	934.9
62.5°	650.9	745.6	834.3	852.1	849.1
65°	585.8	689.3	760.3	757.4	748.5
67.5°	520.7	633.1	680.5	659.8	650.9
70°	455.6	571.0	594.7	562.1	553.2
72.5°	393.5	511.8	503.0	464.5	449.7
75°	331.4	440.8	402.4	366.9	355.0
77.5°	266.3	369.8	307.7	272.2	260.4
80°	207.1	284.0	216.0	195.3	192.3
82.5°	147.9	186.4	142.0	139.1	139.1
85°	94.7	100.6	88.8	91.7	91.7
87.5°	41.4	44.4	47.3	50.3	50.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)