

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: P189672

Luminaire Tested: **BRG-WG-4L35-LD2-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189672
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34874)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: BRG-WG-4L35-LD2-UNV-24-STD
Description: BRIDGE 2x4 LED RECESSED LUMINAIRE WITH A FULL PATTERN WAVEGUIDE AND
RECTANGULAR PERF INLAY
LIGHT LEVEL 4 (1260 mA)
Light Source: (308) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

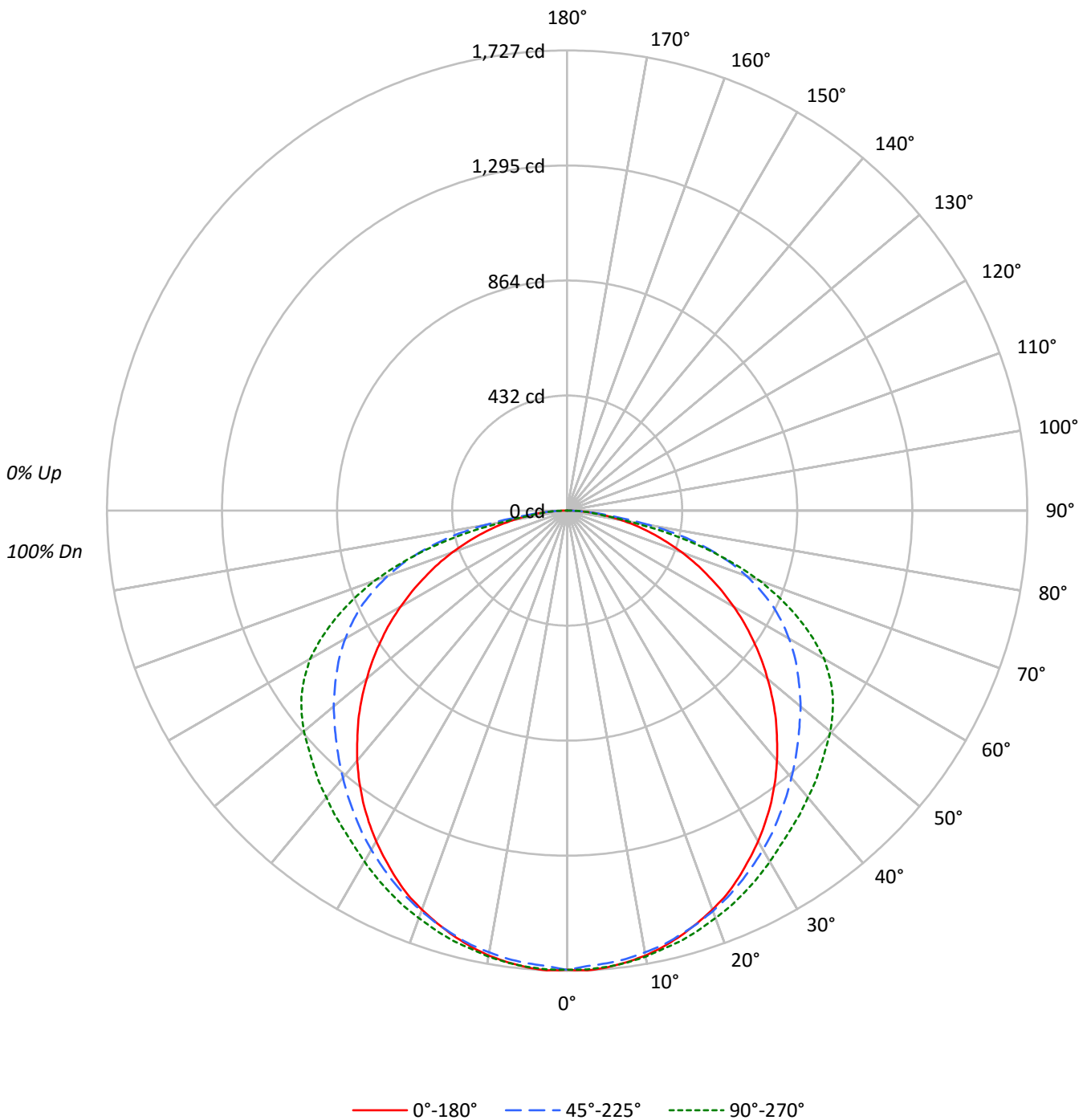
Lumens per Lamp: N/A
Luminaire Lumens: 5558.7 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 58.5
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



TEST NUMBER: P189672
CATALOG NUMBER: BRG-WG-4L35-LD2-UNV-24-STD

Luminous Intensity Polar Plot





TEST NUMBER: P189672

CATALOG NUMBER: BRG-WG-4L35-LD2-UNV-24-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	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82
2	97	88	81	75	95	87	80	74	83	77	72	80	75	71	76	73	69	67
3	88	77	68	61	86	75	67	61	72	65	60	69	64	59	67	62	58	55
4	80	68	58	51	78	66	58	51	64	56	50	61	55	49	59	53	49	47
5	74	60	51	44	72	59	50	44	57	49	43	55	48	42	53	47	42	40
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	42	37	35
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	43	37	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	55	41	32	26	53	40	32	26	39	31	26	38	31	26	37	31	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2640	2640	2640
5°	2647	2622	2644
10°	2637	2618	2643
15°	2619	2612	2647
20°	2597	2607	2653
25°	2571	2602	2669
30°	2535	2599	2691
35°	2497	2602	2733
40°	2450	2618	2810
45°	2399	2655	2919
50°	2339	2725	3073
55°	2280	2819	3251
60°	2211	2946	3411
65°	2130	3094	3478
70°	2050	3205	3438
75°	1940	3218	3100
80°	1816	2786	2045
85°	1652	1722	1546



TEST NUMBER: P189672

CATALOG NUMBER: BRG-WG-4L35-LD2-UNV-24-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.0	2.9
10°-20°	467.6	8.4
20°-30°	712.9	12.8
30°-40°	874.5	15.7
40°-50°	948.4	17.1
50°-60°	936.2	16.8
60°-70°	808.0	14.5
70°-80°	518.0	9.3
80°-90°	130.2	2.3
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°	1343.5	24.2
0°-40°	2218.0	39.9
0°-60°	4102.5	73.8
0°-90°	5558.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5558.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1723	1723	1723	1723	1723	
5°	1721	1717	1705	1717	1719	163
15°	1651	1651	1647	1665	1669	466
25°	1522	1526	1540	1569	1579	701
35°	1336	1350	1392	1444	1462	835
45°	1108	1144	1226	1312	1348	854
55°	854	928	1056	1170	1218	764
65°	588	714	854	938	960	583
75°	328	490	544	536	524	348
85°	94	146	98	90	88	106
90°	0	0	0	0	0	



TEST NUMBER: P189672

CATALOG NUMBER: BRG-WG-4L35-LD2-UNV-24-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1723.4	1723.4	1723.4	1723.4	1723.4
2.5°	1727.4	1723.4	1711.4	1723.4	1723.4
5°	1721.4	1717.4	1705.4	1717.4	1719.4
7.5°	1709.4	1707.4	1697.4	1709.4	1711.4
10°	1695.4	1693.4	1683.4	1697.4	1699.4
12.5°	1675.4	1673.4	1669.4	1683.4	1683.4
15°	1651.4	1651.4	1647.4	1665.4	1669.4
17.5°	1623.4	1625.4	1625.4	1645.4	1649.4
20°	1593.4	1595.4	1599.4	1621.4	1627.4
22.5°	1561.4	1561.4	1571.4	1597.4	1605.4
25°	1521.5	1525.5	1539.5	1569.4	1579.4
27.5°	1477.5	1485.5	1505.5	1539.5	1551.4
30°	1433.5	1443.5	1469.5	1507.5	1521.5
32.5°	1385.5	1397.5	1433.5	1475.5	1489.5
35°	1335.5	1349.5	1391.5	1443.5	1461.5
37.5°	1281.5	1299.5	1351.5	1411.5	1435.5
40°	1225.6	1249.6	1309.5	1377.5	1405.5
42.5°	1165.6	1197.6	1267.5	1345.5	1379.5
45°	1107.6	1143.6	1225.6	1311.5	1347.5
47.5°	1045.6	1091.6	1183.6	1277.5	1317.5
50°	981.7	1033.6	1143.6	1245.6	1289.5
52.5°	919.7	981.7	1099.6	1209.6	1255.6
55°	853.7	927.7	1055.6	1169.6	1217.6
57.5°	789.7	875.7	1011.6	1125.6	1169.6
60°	721.7	819.7	961.7	1073.6	1113.6
62.5°	655.8	769.7	909.7	1009.6	1041.6
65°	587.8	713.7	853.7	937.7	959.7
67.5°	523.8	661.8	787.7	853.7	867.7
70°	457.8	607.8	715.7	763.7	767.7
72.5°	391.9	547.8	637.8	649.8	649.8
75°	327.9	489.8	543.8	535.8	523.8
77.5°	267.9	417.9	439.8	405.9	379.9
80°	205.9	343.9	315.9	255.9	231.9
82.5°	147.9	255.9	185.9	145.9	138.0
85°	94.0	145.9	98.0	90.0	88.0
87.5°	44.0	54.0	44.0	48.0	48.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)