

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: P302426

Luminaire Tested: **ZX-WO-60L835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-42)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-60L835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5758.9 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

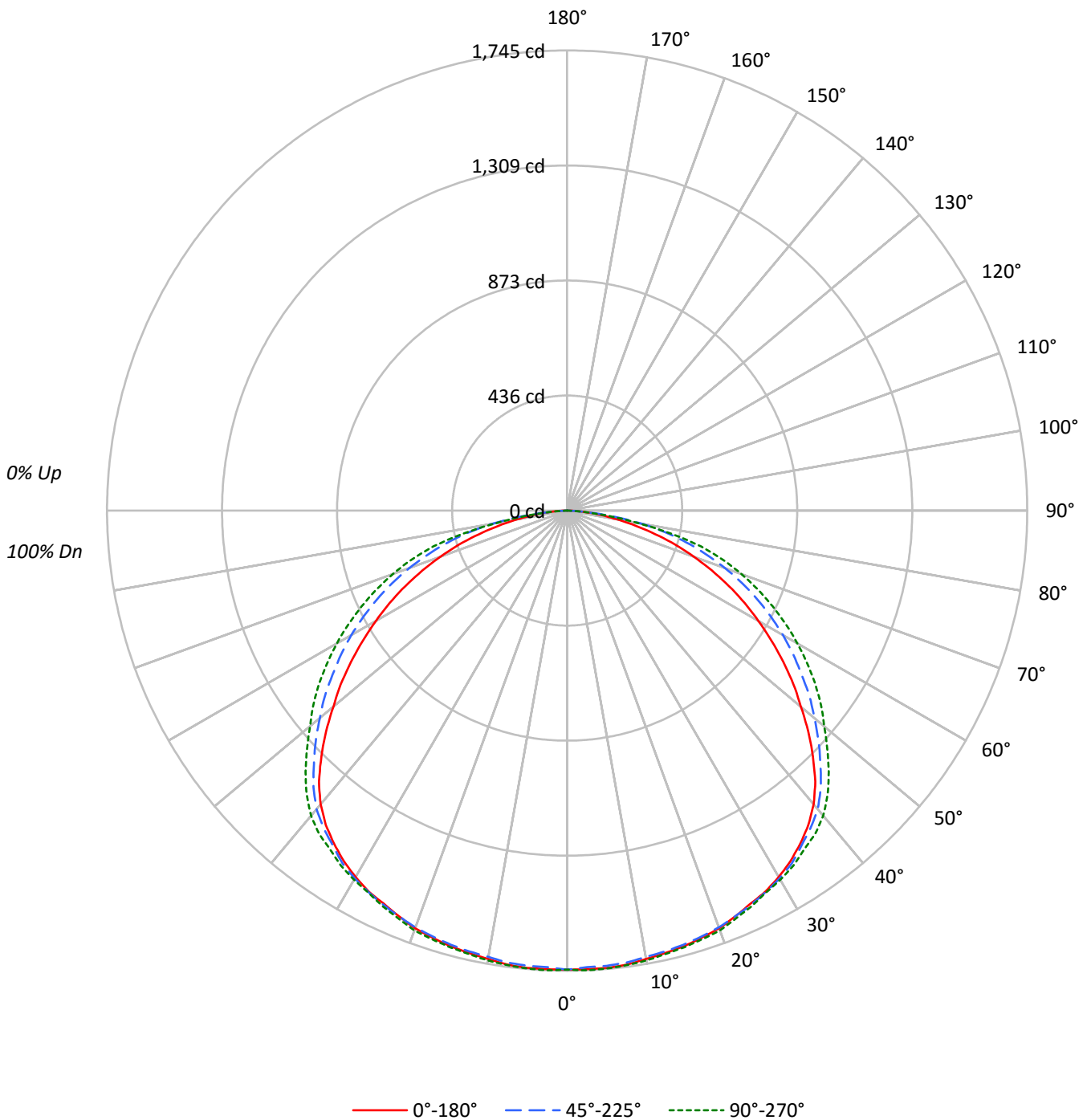
Input Watts (W): 44.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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	89	82	76	95	87	81	75	84	78	74		81	76	72		77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61		71	65	60		68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52		62	56	51		60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27		38	32	27		37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24		35	29	24		35	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2342	2342	2342
5°	2351	2340	2354
10°	2359	2348	2367
15°	2382	2374	2388
20°	2414	2408	2426
25°	2442	2449	2458
30°	2493	2502	2512
35°	2532	2545	2575
40°	2554	2597	2654
45°	2508	2585	2670
50°	2422	2563	2665
55°	2347	2547	2695
60°	2255	2545	2714
65°	2156	2531	2739
70°	2008	2504	2768
75°	1797	2442	2728
80°	1497	2253	2096
85°	1130	1318	1099



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.6	2.9
10°-20°	483.8	8.4
20°-30°	763.0	13.2
30°-40°	974.1	16.9
40°-50°	1049.3	18.2
50°-60°	966.8	16.8
60°-70°	773.3	13.4
70°-80°	474.6	8.2
80°-90°	108.3	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°	1412.4	24.5
0°-40°	2386.6	41.4
0°-60°	4402.7	76.5
0°-90°	5758.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5758.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1741	1741	1741	1741	1741	
5°	1741	1741	1733	1743	1743	166
15°	1710	1712	1704	1714	1714	484
25°	1645	1647	1649	1657	1655	761
35°	1542	1546	1550	1566	1568	964
45°	1318	1332	1358	1393	1403	1015
55°	1000	1027	1086	1135	1149	894
65°	677	722	795	844	860	669
75°	346	401	470	512	525	368
85°	73	98	85	75	71	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1740.8	1740.8	1740.8	1740.8	1740.8
2.5°	1740.8	1742.8	1732.6	1742.8	1744.8
5°	1740.8	1740.8	1732.6	1742.8	1742.8
7.5°	1736.7	1736.7	1728.6	1738.7	1738.7
10°	1726.5	1726.5	1718.4	1728.6	1732.6
12.5°	1718.4	1718.4	1712.3	1722.5	1722.5
15°	1710.3	1712.3	1704.2	1714.3	1714.3
17.5°	1698.1	1698.1	1694.0	1702.1	1704.2
20°	1685.9	1685.9	1681.8	1692.0	1694.0
22.5°	1665.5	1667.6	1665.5	1673.7	1673.7
25°	1645.2	1647.2	1649.3	1657.4	1655.4
27.5°	1628.9	1631.0	1631.0	1639.1	1633.0
30°	1604.5	1610.6	1610.6	1614.7	1616.7
32.5°	1576.0	1584.2	1586.2	1594.3	1596.4
35°	1541.5	1545.5	1549.6	1565.9	1567.9
37.5°	1502.8	1513.0	1517.1	1539.4	1545.5
40°	1454.0	1466.2	1478.4	1506.9	1511.0
42.5°	1393.0	1407.3	1423.5	1454.0	1462.2
45°	1317.8	1332.0	1358.5	1393.0	1403.2
47.5°	1240.5	1256.8	1293.4	1330.0	1338.1
50°	1157.1	1181.5	1224.2	1266.9	1273.0
52.5°	1081.9	1106.3	1159.2	1203.9	1214.1
55°	1000.5	1027.0	1085.9	1134.8	1149.0
57.5°	919.2	953.8	1016.8	1065.6	1079.8
60°	837.8	874.5	945.6	990.4	1008.7
62.5°	758.5	799.2	870.4	921.2	935.5
65°	677.2	721.9	795.1	843.9	860.2
67.5°	593.8	640.6	717.9	766.7	782.9
70°	510.4	563.3	636.5	689.4	703.6
72.5°	431.1	479.9	553.1	599.9	618.2
75°	345.7	400.6	469.8	512.5	524.7
77.5°	268.4	321.3	382.3	408.8	404.7
80°	193.2	248.1	290.8	282.7	270.5
82.5°	130.2	174.9	181.0	168.8	164.7
85°	73.2	97.6	85.4	75.2	71.2
87.5°	30.5	26.4	14.2	6.1	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)