

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: P302366

Luminaire Tested: **RX-WO-55L835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302366
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-55L835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (224)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5275.9 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

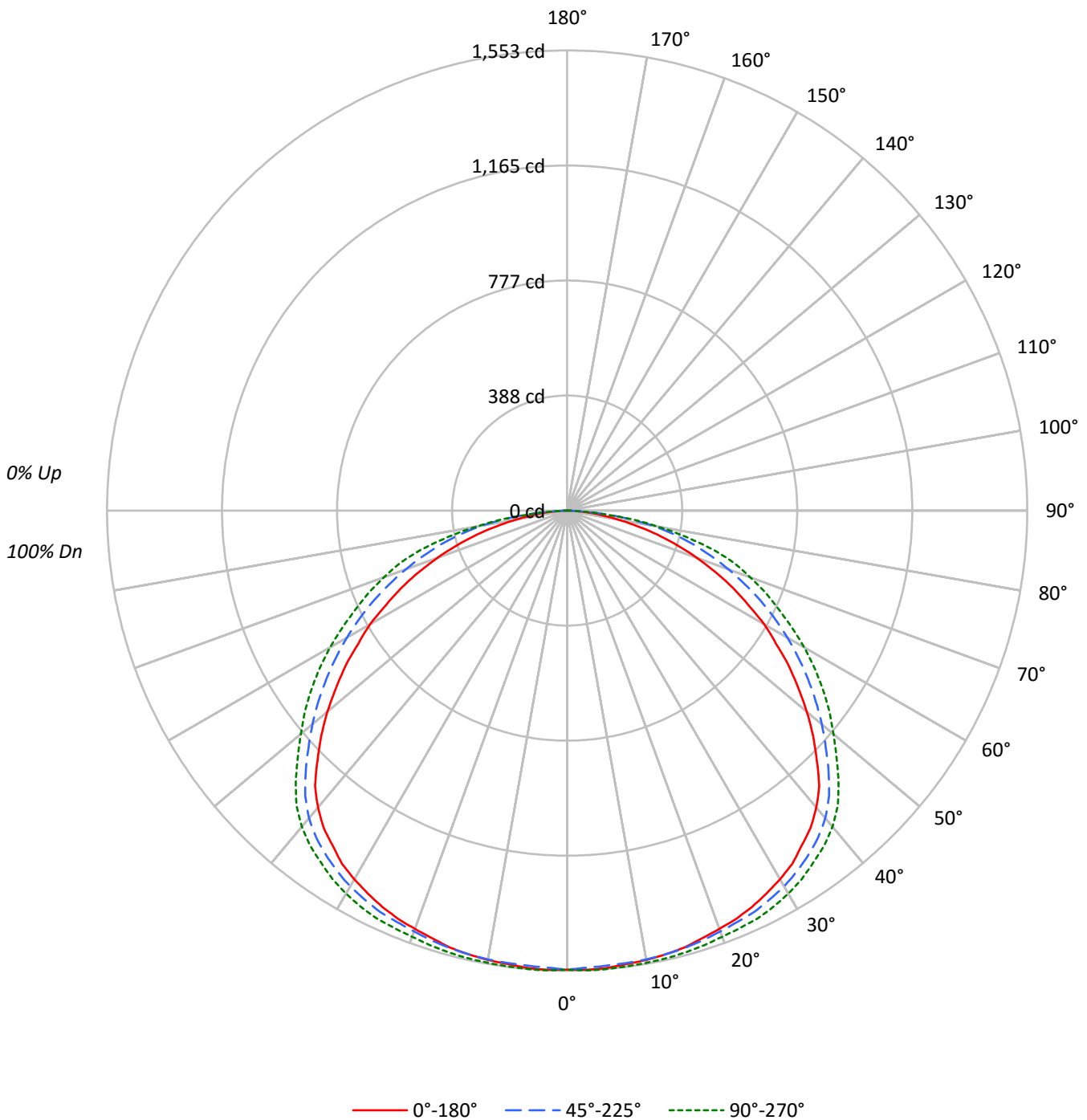
Input Watts (W): 43.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	98	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2085	2085	2085
5°	2093	2082	2098
10°	2104	2101	2117
15°	2127	2129	2150
20°	2151	2165	2191
25°	2191	2219	2255
30°	2232	2275	2319
35°	2267	2331	2381
40°	2298	2381	2447
45°	2267	2375	2465
50°	2211	2349	2455
55°	2142	2327	2473
60°	2067	2310	2487
65°	1966	2295	2505
70°	1829	2281	2585
75°	1644	2290	2652
80°	1357	2261	2421
85°	988	1686	1570



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.6	2.8
10°-20°	433.8	8.2
20°-30°	691.0	13.1
30°-40°	888.3	16.8
40°-50°	960.5	18.2
50°-60°	883.6	16.7
60°-70°	704.4	13.4
70°-80°	447.5	8.5
80°-90°	119.2	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°	1272.4	24.1
0°-40°	2160.7	41.0
0°-60°	4004.8	75.9
0°-90°	5275.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5275.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1549	1549	1549	1549	1549	
5°	1549	1549	1542	1551	1553	148
15°	1527	1529	1529	1542	1544	431
25°	1476	1482	1495	1512	1519	681
35°	1380	1395	1419	1446	1450	865
45°	1192	1212	1248	1282	1295	919
55°	913	939	992	1037	1054	815
65°	618	650	721	774	787	609
75°	316	361	440	499	510	334
85°	64	100	109	109	102	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1549.3	1549.3	1549.3	1549.3	1549.3
2.5°	1551.2	1551.2	1543.7	1553.1	1553.1
5°	1549.3	1549.3	1541.8	1551.2	1553.1
7.5°	1543.7	1545.5	1539.9	1549.3	1551.2
10°	1539.9	1541.8	1538.0	1547.4	1549.3
12.5°	1534.3	1536.1	1534.3	1545.5	1547.4
15°	1526.7	1528.6	1528.6	1541.8	1543.7
17.5°	1513.5	1517.3	1521.1	1536.1	1538.0
20°	1502.3	1506.0	1511.7	1528.6	1530.5
22.5°	1491.0	1494.7	1502.3	1523.0	1524.8
25°	1475.9	1481.5	1494.7	1511.7	1519.2
27.5°	1457.1	1468.4	1479.7	1500.4	1507.9
30°	1436.4	1447.7	1464.6	1487.2	1492.8
32.5°	1413.8	1425.1	1443.9	1468.4	1474.0
35°	1379.9	1394.9	1419.4	1445.8	1449.5
37.5°	1349.8	1364.8	1391.2	1419.4	1425.1
40°	1308.4	1327.2	1355.4	1381.8	1393.1
42.5°	1259.4	1278.2	1308.4	1340.4	1351.6
45°	1191.6	1212.3	1248.1	1282.0	1295.2
47.5°	1125.7	1144.6	1184.1	1223.6	1233.1
50°	1056.1	1078.7	1122.0	1163.4	1172.8
52.5°	982.7	1010.9	1058.0	1101.3	1116.3
55°	913.0	939.4	992.1	1037.3	1054.2
57.5°	835.8	867.8	926.2	975.1	990.2
60°	768.1	796.3	858.4	909.3	924.3
62.5°	689.0	722.9	790.7	841.5	854.7
65°	617.5	649.5	721.0	773.7	786.9
67.5°	540.3	577.9	649.5	704.1	724.8
70°	465.0	504.5	579.8	636.3	657.0
72.5°	389.7	433.0	508.3	566.6	593.0
75°	316.3	361.4	440.5	498.9	510.2
77.5°	242.8	293.7	369.0	410.4	410.4
80°	175.1	225.9	291.8	303.1	312.5
82.5°	116.7	163.8	199.5	210.8	212.7
85°	64.0	99.8	109.2	109.2	101.7
87.5°	24.5	32.0	22.6	11.3	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)