

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: P302247

Luminaire Tested: **RX-WO-55H835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-55H835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (336)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

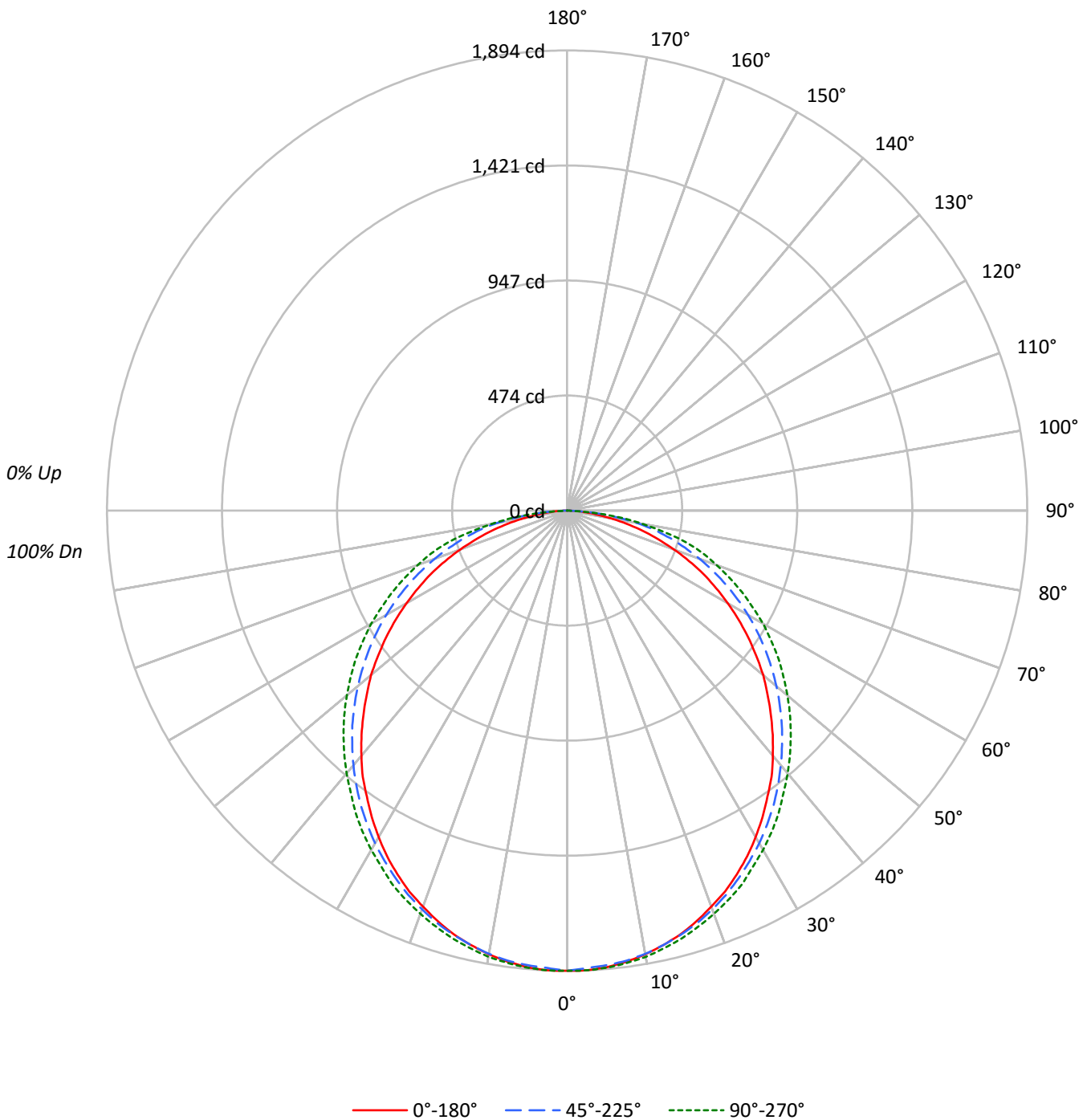
Lumens per Lamp: N/A
Luminaire Lumens: 5513.5 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2549	2549	2549
5°	2548	2537	2550
10°	2534	2531	2548
15°	2515	2518	2540
20°	2484	2501	2529
25°	2453	2479	2523
30°	2411	2456	2505
35°	2361	2432	2494
40°	2314	2404	2480
45°	2255	2379	2477
50°	2205	2353	2477
55°	2134	2333	2490
60°	2056	2316	2506
65°	1975	2294	2526
70°	1843	2277	2572
75°	1679	2283	2651
80°	1389	2258	2441
85°	1064	1794	1732



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.1	3.2
10°-20°	511.4	9.3
20°-30°	771.4	14.0
30°-40°	926.2	16.8
40°-50°	963.2	17.5
50°-60°	885.9	16.1
60°-70°	706.0	12.8
70°-80°	447.4	8.1
80°-90°	123.0	2.2
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°	1461.9	26.5
0°-40°	2388.1	43.3
0°-60°	4237.1	76.8
0°-90°	5513.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5513.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1894	1894	1894	1894	1894	
5°	1886	1886	1878	1888	1888	179
15°	1806	1806	1808	1821	1823	509
25°	1652	1660	1670	1693	1699	761
35°	1437	1453	1481	1508	1518	900
45°	1185	1211	1250	1290	1302	915
55°	910	939	994	1044	1061	813
65°	620	652	721	776	794	611
75°	323	364	439	494	510	340
85°	69	98	116	114	112	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1894.2	1894.2	1894.2	1894.2	1894.2
2.5°	1894.2	1894.2	1884.4	1894.2	1894.2
5°	1886.3	1886.3	1878.4	1888.3	1888.3
7.5°	1872.5	1874.5	1868.6	1878.4	1878.4
10°	1854.8	1856.8	1852.8	1864.7	1864.7
12.5°	1831.2	1833.2	1831.2	1845.0	1845.0
15°	1805.6	1805.6	1807.6	1821.3	1823.3
17.5°	1772.1	1776.1	1780.0	1795.7	1795.7
20°	1734.7	1740.6	1746.5	1766.2	1766.2
22.5°	1697.3	1703.2	1711.1	1730.8	1734.7
25°	1652.0	1659.9	1669.7	1693.4	1699.3
27.5°	1604.8	1610.7	1626.4	1652.0	1654.0
30°	1551.6	1561.4	1581.1	1606.7	1612.6
32.5°	1496.5	1510.2	1531.9	1561.4	1567.3
35°	1437.4	1453.1	1480.7	1508.3	1518.1
37.5°	1382.3	1394.1	1425.6	1457.1	1463.0
40°	1317.3	1335.0	1368.5	1403.9	1411.8
42.5°	1252.3	1272.0	1309.4	1344.8	1358.6
45°	1185.3	1210.9	1250.3	1289.7	1301.5
47.5°	1118.4	1146.0	1187.3	1230.6	1244.4
50°	1053.4	1079.0	1124.3	1169.6	1183.4
52.5°	980.6	1010.1	1059.3	1108.6	1122.3
55°	909.7	939.2	994.4	1043.6	1061.3
57.5°	836.8	870.3	927.4	978.6	994.4
60°	764.0	799.4	860.5	911.7	931.3
62.5°	691.1	724.6	791.5	842.7	860.5
65°	620.2	651.7	720.7	775.8	793.5
67.5°	543.4	578.9	649.8	706.9	722.6
70°	468.6	504.1	578.9	638.0	653.7
72.5°	391.8	433.2	508.0	565.1	586.8
75°	322.9	364.3	439.1	494.2	510.0
77.5°	250.1	291.4	368.2	407.6	409.6
80°	179.2	226.4	291.4	307.2	315.0
82.5°	118.1	163.4	200.8	220.5	220.5
85°	68.9	98.5	116.2	114.2	112.2
87.5°	25.6	33.5	27.6	19.7	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)