

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: P302248

Luminaire Tested: **RX-WO-60H835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302248
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-60H835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (588)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5814.7 lumens
Efficiency: N/A
Efficacy: 140.1 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

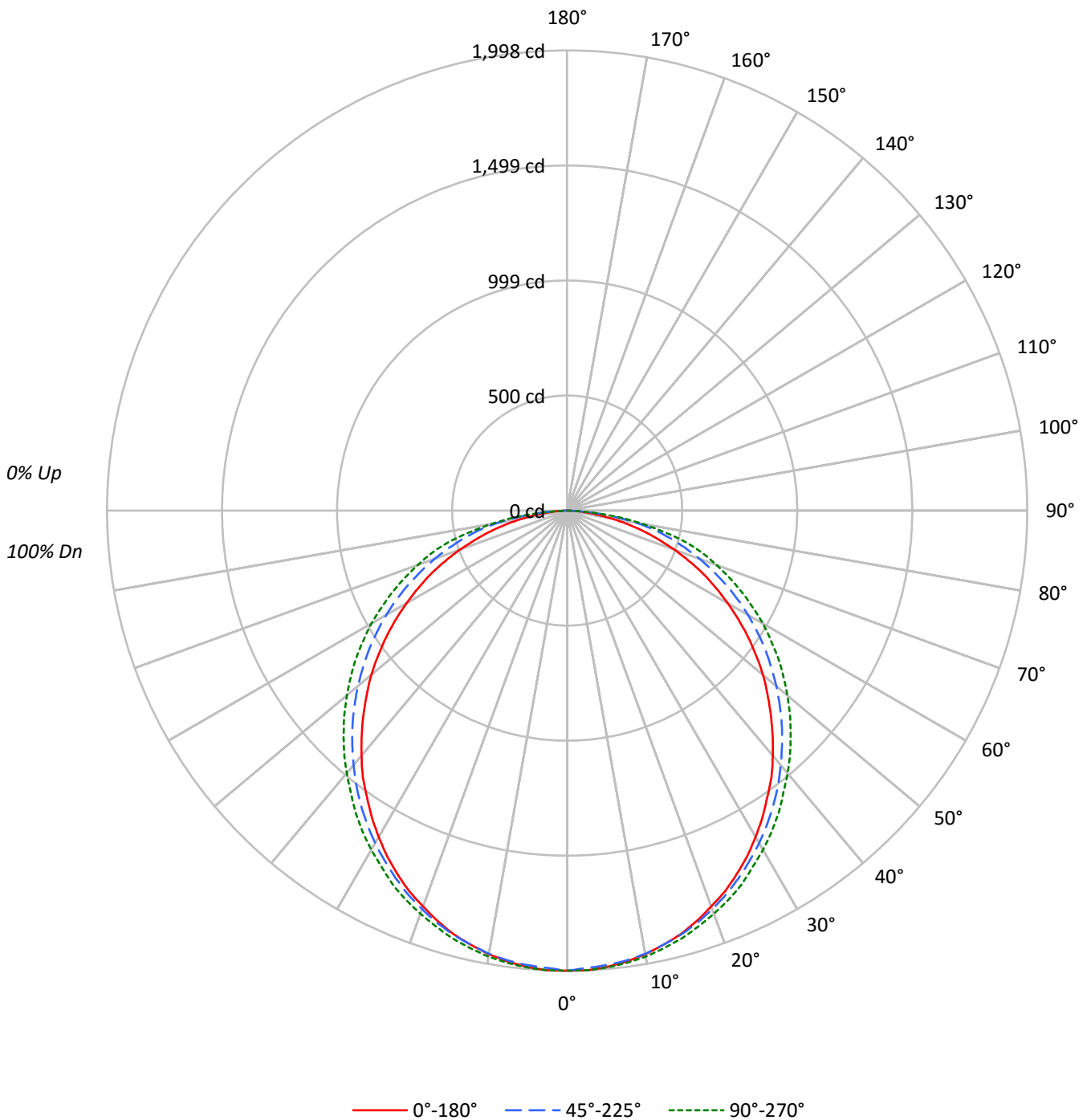
Input Watts (W): 41.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P302248

CATALOG NUMBER: RX-WO-60H835-UNV-24-STD

Luminous Intensity Polar Plot





TEST NUMBER: P302248

CATALOG NUMBER: RX-WO-60H835-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	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°	2688	2688	2688
5°	2687	2676	2690
10°	2673	2670	2687
15°	2652	2655	2679
20°	2619	2637	2667
25°	2586	2614	2661
30°	2542	2591	2642
35°	2490	2565	2630
40°	2440	2535	2615
45°	2379	2509	2612
50°	2326	2482	2612
55°	2251	2460	2626
60°	2168	2442	2643
65°	2082	2420	2664
70°	1944	2402	2712
75°	1771	2407	2796
80°	1464	2381	2574
85°	1122	1891	1828



TEST NUMBER: P302248

CATALOG NUMBER: RX-WO-60H835-UNV-24-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.9	3.2
10°-20°	539.3	9.3
20°-30°	813.6	14.0
30°-40°	976.7	16.8
40°-50°	1015.8	17.5
50°-60°	934.2	16.1
60°-70°	744.6	12.8
70°-80°	471.8	8.1
80°-90°	129.8	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°	1541.7	26.5
0°-40°	2518.5	43.3
0°-60°	4468.5	76.8
0°-90°	5814.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5814.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1998	1998	1998	1998	1998	
5°	1989	1989	1981	1991	1991	189
15°	1904	1904	1906	1921	1923	537
25°	1742	1750	1761	1786	1792	802
35°	1516	1532	1562	1591	1601	949
45°	1250	1277	1319	1360	1373	965
55°	959	990	1049	1101	1119	857
65°	654	687	760	818	837	645
75°	341	384	463	521	538	358
85°	73	104	122	120	118	87
90°	0	0	0	0	0	



TEST NUMBER: P302248

CATALOG NUMBER: RX-WO-60H835-UNV-24-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1997.6	1997.6	1997.6	1997.6	1997.6
2.5°	1997.6	1997.6	1987.3	1997.6	1997.6
5°	1989.3	1989.3	1981.0	1991.4	1991.4
7.5°	1974.8	1976.9	1970.6	1981.0	1981.0
10°	1956.1	1958.2	1954.0	1966.5	1966.5
12.5°	1931.2	1933.3	1931.2	1945.7	1945.7
15°	1904.2	1904.2	1906.3	1920.8	1922.9
17.5°	1868.9	1873.0	1877.2	1893.8	1893.8
20°	1829.4	1835.7	1841.9	1862.7	1862.7
22.5°	1790.0	1796.2	1804.5	1825.3	1829.4
25°	1742.2	1750.5	1760.9	1785.8	1792.1
27.5°	1692.4	1698.6	1715.2	1742.2	1744.3
30°	1636.3	1646.7	1667.5	1694.5	1700.7
32.5°	1578.2	1592.7	1615.6	1646.7	1652.9
35°	1515.9	1532.5	1561.6	1590.6	1601.0
37.5°	1457.7	1470.2	1503.4	1536.6	1542.9
40°	1389.2	1407.9	1443.2	1480.6	1488.9
42.5°	1320.7	1341.5	1380.9	1418.3	1432.8
45°	1250.1	1277.1	1318.6	1360.1	1372.6
47.5°	1179.5	1208.6	1252.2	1297.8	1312.4
50°	1111.0	1138.0	1185.7	1233.5	1248.0
52.5°	1034.1	1065.3	1117.2	1169.1	1183.6
55°	959.4	990.5	1048.7	1100.6	1119.3
57.5°	882.5	917.8	978.1	1032.0	1048.7
60°	805.7	843.1	907.5	961.4	982.2
62.5°	728.9	764.2	834.8	888.8	907.5
65°	654.1	687.3	760.0	818.2	836.9
67.5°	573.1	610.5	685.3	745.5	762.1
70°	494.2	531.6	610.5	672.8	689.4
72.5°	413.2	456.8	535.8	596.0	618.8
75°	340.6	384.2	463.1	521.2	537.8
77.5°	263.7	307.3	388.3	429.8	431.9
80°	189.0	238.8	307.3	323.9	332.2
82.5°	124.6	172.4	211.8	232.6	232.6
85°	72.7	103.8	122.5	120.4	118.4
87.5°	27.0	35.3	29.1	20.8	14.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)