

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: P302031

Luminaire Tested: **RX-WO-48L835-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-48L835-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (196)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

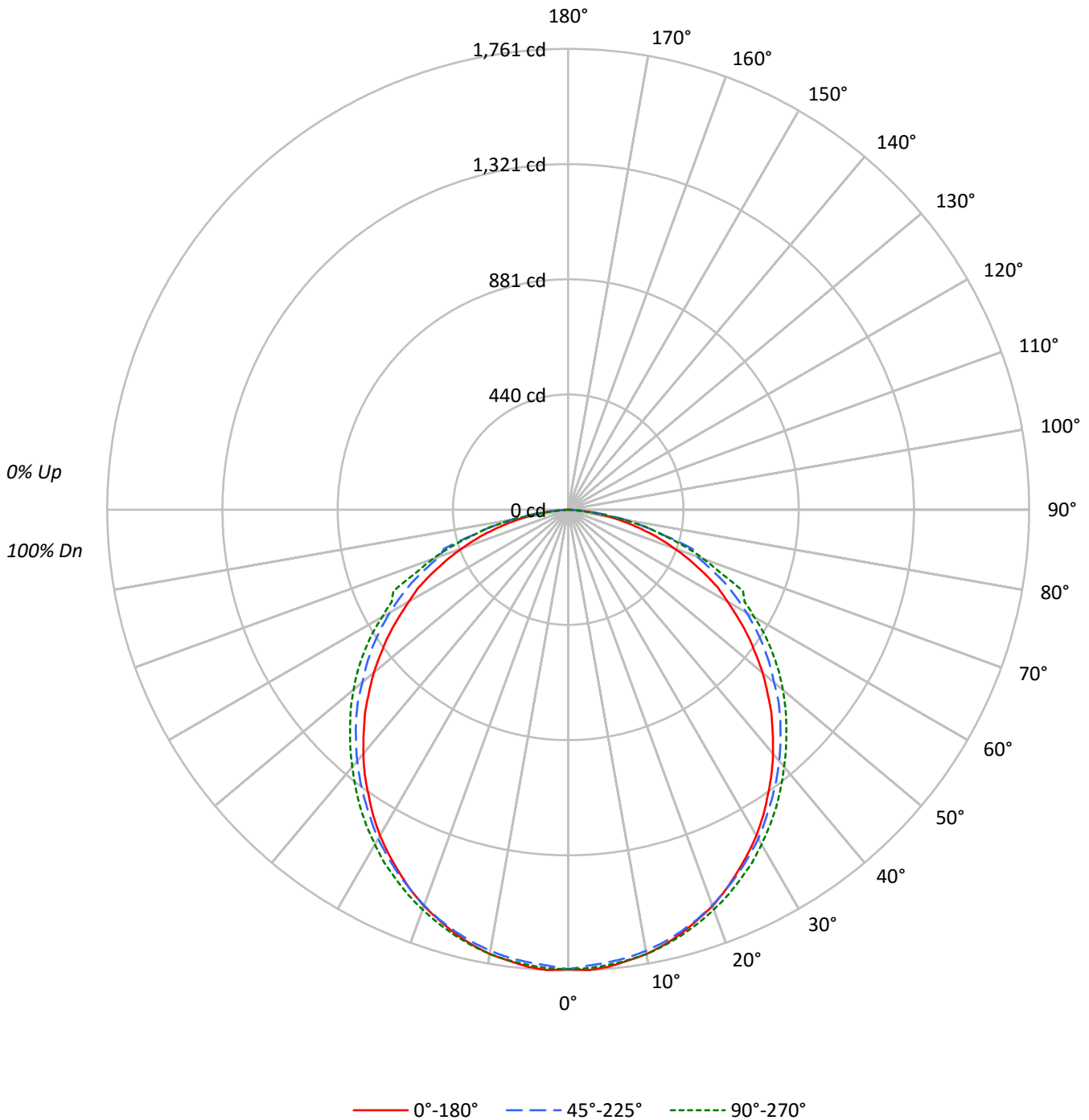
Lumens per Lamp: N/A
Luminaire Lumens: 4993.1 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 36.9
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	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4726	4726	4726
5°	4737	4691	4717
10°	4711	4678	4711
15°	4667	4647	4688
20°	4615	4608	4657
25°	4538	4559	4625
30°	4467	4513	4589
35°	4369	4449	4554
40°	4276	4405	4508
45°	4176	4362	4483
50°	4060	4296	4481
55°	3930	4274	4470
60°	3783	4231	4416
65°	3634	4195	4694
70°	3392	4105	4336
75°	3056	3973	3896
80°	2580	3415	3226
85°	1890	1664	605



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.8	3.3
10°-20°	472.7	9.5
20°-30°	710.5	14.2
30°-40°	849.9	17.0
40°-50°	881.2	17.6
50°-60°	808.1	16.2
60°-70°	642.8	12.9
70°-80°	382.0	7.6
80°-90°	80.1	1.6
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°	1349.0	27.0
0°-40°	2198.9	44.0
0°-60°	3888.2	77.9
0°-90°	4993.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4993.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1756	1756	1756	1756	1756	
5°	1754	1749	1736	1749	1746	166
15°	1675	1673	1668	1683	1683	472
25°	1528	1531	1536	1558	1558	705
35°	1330	1337	1354	1381	1386	833
45°	1097	1114	1146	1171	1178	845
55°	838	867	911	948	953	748
65°	571	605	659	686	737	565
75°	294	336	382	380	375	312
85°	61	76	54	29	20	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1756.1	1756.1	1756.1	1756.1	1756.1
2.5°	1761.0	1756.1	1743.8	1756.1	1753.6
5°	1753.6	1748.7	1736.5	1748.7	1746.3
7.5°	1738.9	1736.5	1726.7	1738.9	1736.5
10°	1724.2	1719.3	1712.0	1724.2	1724.2
12.5°	1702.2	1697.3	1692.4	1707.1	1704.6
15°	1675.3	1672.8	1667.9	1682.6	1682.6
17.5°	1643.4	1643.4	1641.0	1655.7	1655.7
20°	1611.6	1609.1	1609.1	1626.3	1626.3
22.5°	1572.4	1572.4	1572.4	1594.4	1594.4
25°	1528.3	1530.7	1535.6	1557.7	1557.7
27.5°	1484.2	1489.1	1494.0	1516.1	1521.0
30°	1437.7	1440.1	1452.4	1474.4	1476.9
32.5°	1386.2	1391.1	1403.4	1427.9	1432.8
35°	1329.9	1337.3	1354.4	1381.3	1386.2
37.5°	1276.0	1285.8	1305.4	1332.4	1334.8
40°	1217.3	1229.5	1254.0	1278.5	1283.4
42.5°	1156.0	1170.7	1200.1	1227.0	1231.9
45°	1097.2	1114.4	1146.2	1170.7	1178.1
47.5°	1031.1	1050.7	1089.9	1119.3	1126.6
50°	969.9	989.5	1026.2	1063.0	1070.3
52.5°	901.3	928.2	969.9	1006.6	1014.0
55°	837.6	867.0	911.1	947.8	952.7
57.5°	769.0	800.9	849.9	884.2	891.5
60°	702.9	737.2	786.2	818.0	820.5
62.5°	644.1	673.5	722.5	751.9	759.3
65°	570.7	605.0	658.8	685.8	737.2
67.5°	502.1	536.4	587.8	678.4	629.4
70°	431.1	470.2	521.7	546.2	551.1
72.5°	364.9	404.1	497.2	470.2	467.8
75°	293.9	335.5	382.1	379.6	374.7
77.5°	227.8	271.9	298.8	301.3	301.3
80°	166.5	220.4	220.4	220.4	208.2
82.5°	107.8	142.1	142.1	122.5	110.2
85°	61.2	75.9	53.9	29.4	19.6
87.5°	22.0	17.1	4.9	4.9	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)