

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: P302037

Luminaire Tested: **RX-WO-48L840-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302037
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-48L840-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (196)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

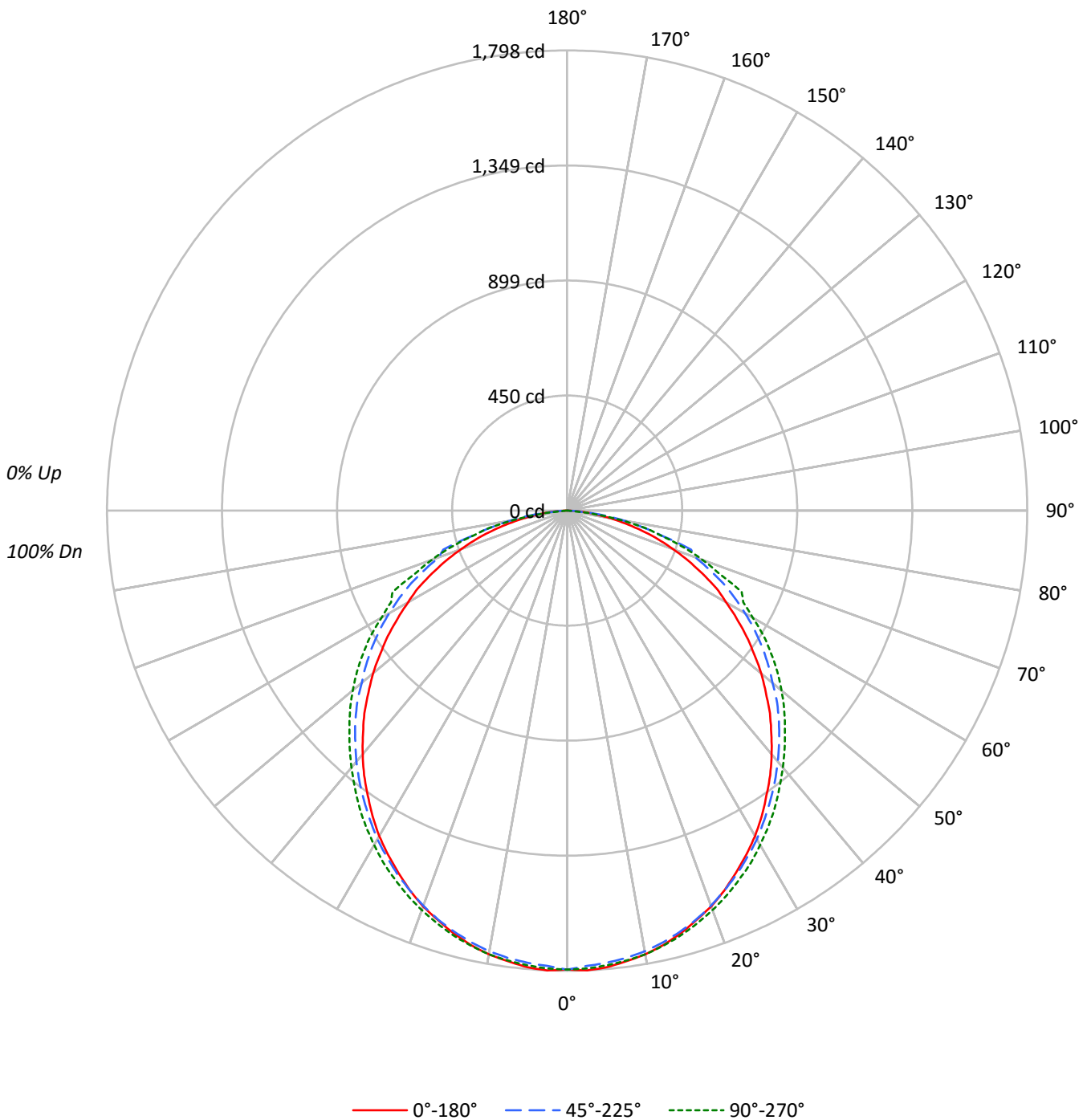
Lumens per Lamp: N/A
Luminaire Lumens: 5099.2 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	4826	4826	4826
5°	4838	4790	4817
10°	4812	4777	4812
15°	4766	4746	4787
20°	4713	4706	4756
25°	4634	4657	4723
30°	4562	4609	4687
35°	4462	4544	4651
40°	4367	4499	4604
45°	4265	4455	4579
50°	4147	4387	4576
55°	4013	4366	4565
60°	3864	4321	4510
65°	3711	4284	4794
70°	3463	4192	4428
75°	3121	4057	3979
80°	2636	3488	3295
85°	1930	1698	618



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.4	3.3
10°-20°	482.7	9.5
20°-30°	725.6	14.2
30°-40°	868.0	17.0
40°-50°	899.9	17.6
50°-60°	825.3	16.2
60°-70°	656.5	12.9
70°-80°	390.1	7.6
80°-90°	81.8	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°	1377.7	27.0
0°-40°	2245.7	44.0
0°-60°	3970.9	77.9
0°-90°	5099.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5099.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1793	1793	1793	1793	1793	
5°	1791	1786	1773	1786	1783	170
15°	1711	1708	1703	1718	1718	482
25°	1561	1563	1568	1591	1591	720
35°	1358	1366	1383	1411	1416	850
45°	1121	1138	1171	1196	1203	863
55°	855	886	930	968	973	764
65°	583	618	673	700	753	577
75°	300	343	390	388	383	319
85°	62	78	55	30	20	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1793.4	1793.4	1793.4	1793.4	1793.4
2.5°	1798.4	1793.4	1780.9	1793.4	1790.9
5°	1790.9	1785.9	1773.4	1785.9	1783.4
7.5°	1775.9	1773.4	1763.4	1775.9	1773.4
10°	1760.9	1755.9	1748.4	1760.9	1760.9
12.5°	1738.4	1733.4	1728.4	1743.4	1740.9
15°	1710.9	1708.4	1703.4	1718.4	1718.4
17.5°	1678.4	1678.4	1675.9	1690.9	1690.9
20°	1645.8	1643.3	1643.3	1660.8	1660.8
22.5°	1605.8	1605.8	1605.8	1628.3	1628.3
25°	1560.8	1563.3	1568.3	1590.8	1590.8
27.5°	1515.8	1520.8	1525.8	1548.3	1553.3
30°	1468.2	1470.8	1483.3	1505.8	1508.3
32.5°	1415.7	1420.7	1433.2	1458.2	1463.2
35°	1358.2	1365.7	1383.2	1410.7	1415.7
37.5°	1303.2	1313.2	1333.2	1360.7	1363.2
40°	1243.1	1255.6	1280.7	1305.7	1310.7
42.5°	1180.6	1195.6	1225.6	1253.1	1258.1
45°	1120.6	1138.1	1170.6	1195.6	1203.1
47.5°	1053.0	1073.0	1113.1	1143.1	1150.6
50°	990.5	1010.5	1048.0	1085.6	1093.1
52.5°	920.5	948.0	990.5	1028.0	1035.5
55°	855.4	885.5	930.5	968.0	973.0
57.5°	785.4	817.9	867.9	903.0	910.5
60°	717.9	752.9	802.9	835.4	837.9
62.5°	657.8	687.9	737.9	767.9	775.4
65°	582.8	617.8	672.8	700.4	752.9
67.5°	512.8	547.8	600.3	692.9	642.8
70°	440.2	480.2	532.8	557.8	562.8
72.5°	372.7	412.7	507.8	480.2	477.7
75°	300.2	342.7	390.2	387.7	382.7
77.5°	232.6	277.6	305.2	307.7	307.7
80°	170.1	225.1	225.1	225.1	212.6
82.5°	110.1	145.1	145.1	125.1	112.6
85°	62.5	77.5	55.0	30.0	20.0
87.5°	22.5	17.5	5.0	5.0	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)