

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: P302179

Luminaire Tested: **RX-WO-44L840-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302179
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-44L840-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

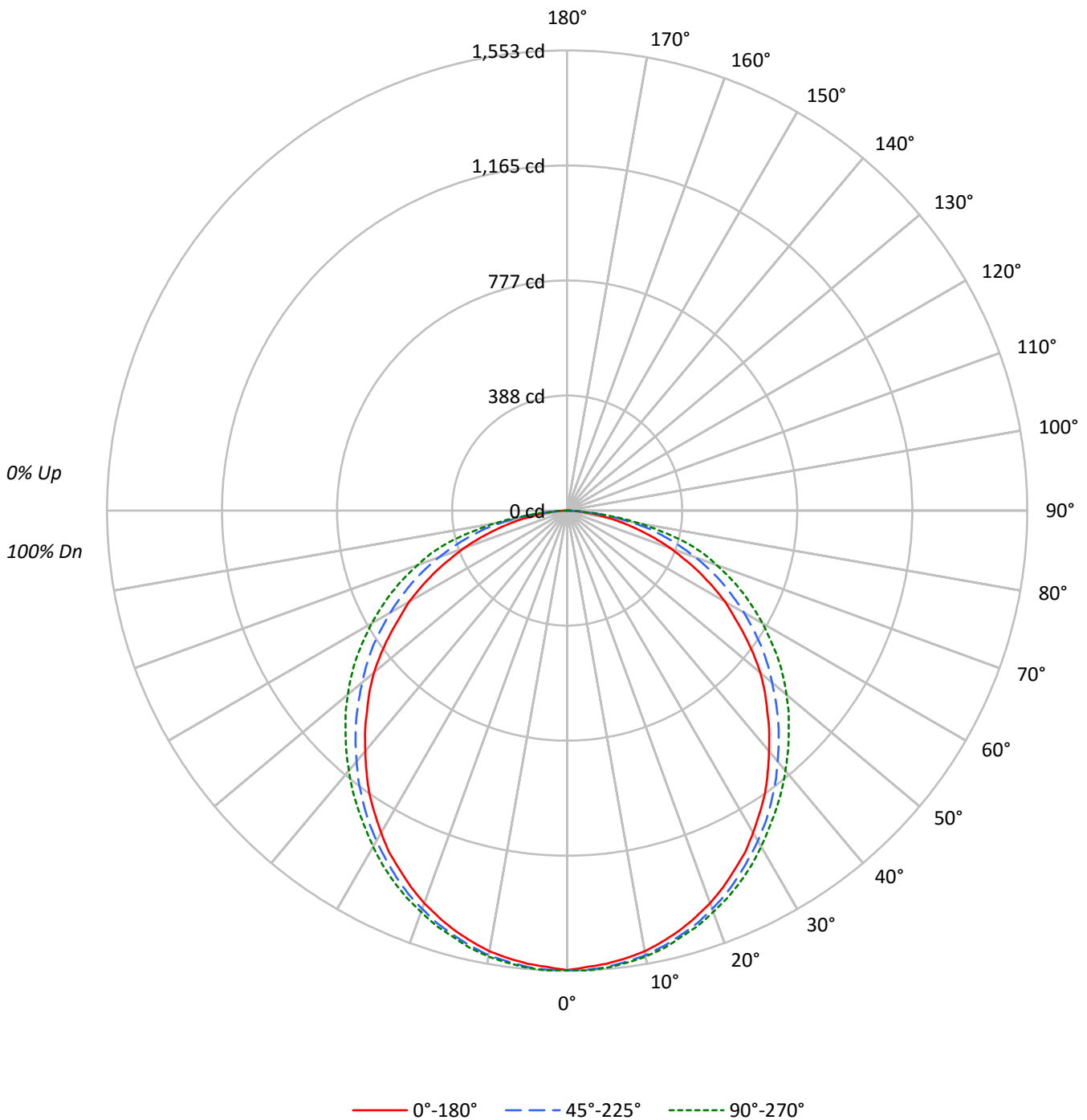
Lumens per Lamp: N/A
Luminaire Lumens: 4440.1 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 35
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



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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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4173	4173	4173
5°	4146	4177	4183
10°	4126	4163	4176
15°	4086	4131	4150
20°	4038	4096	4129
25°	3970	4051	4105
30°	3901	3999	4070
35°	3825	3944	4042
40°	3723	3882	4026
45°	3635	3834	4024
50°	3561	3779	4046
55°	3425	3756	4076
60°	3317	3708	4100
65°	3128	3678	4155
70°	2917	3615	4223
75°	2577	3546	4303
80°	2149	3313	3842
85°	1615	2248	2035



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.6	3.3
10°-20°	417.8	9.4
20°-30°	627.8	14.1
30°-40°	750.1	16.9
40°-50°	777.8	17.5
50°-60°	714.4	16.1
60°-70°	567.3	12.8
70°-80°	352.2	7.9
80°-90°	86.1	1.9
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°	1192.2	26.9
0°-40°	1942.3	43.7
0°-60°	3434.5	77.4
0°-90°	4440.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4440.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1551	1551	1551	1551	1551	
5°	1535	1540	1546	1549	1549	146
15°	1467	1471	1483	1490	1490	414
25°	1337	1346	1364	1380	1383	617
35°	1164	1176	1201	1223	1230	727
45°	955	969	1007	1046	1057	738
55°	730	748	800	850	869	654
65°	491	514	578	632	653	486
75°	248	280	341	393	414	265
85°	52	64	73	70	66	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1550.9	1550.9	1550.9	1550.9	1550.9
2.5°	1541.8	1544.1	1550.9	1555.4	1553.2
5°	1535.0	1539.5	1546.3	1548.6	1548.6
7.5°	1523.6	1528.2	1535.0	1539.5	1539.5
10°	1510.0	1514.5	1523.6	1528.2	1528.2
12.5°	1489.5	1494.0	1505.4	1510.0	1512.2
15°	1466.8	1471.3	1482.7	1489.5	1489.5
17.5°	1439.5	1446.3	1459.9	1466.8	1469.0
20°	1409.9	1416.7	1430.4	1439.5	1441.7
22.5°	1375.8	1382.6	1400.8	1412.2	1414.5
25°	1337.1	1346.2	1364.4	1380.3	1382.6
27.5°	1300.7	1307.6	1325.8	1341.7	1348.5
30°	1255.3	1266.6	1287.1	1305.3	1309.8
32.5°	1209.8	1223.4	1246.2	1266.6	1268.9
35°	1164.3	1175.7	1200.7	1223.4	1230.3
37.5°	1112.0	1123.4	1155.2	1180.2	1189.3
40°	1059.7	1075.6	1105.2	1134.7	1146.1
42.5°	1009.7	1025.6	1057.4	1091.5	1102.9
45°	955.1	968.7	1007.4	1046.1	1057.4
47.5°	905.1	916.4	955.1	1000.6	1014.2
50°	850.5	859.6	902.8	952.8	966.5
52.5°	791.4	805.0	852.8	902.8	918.7
55°	730.0	748.2	800.5	850.5	868.7
57.5°	668.6	689.0	743.6	798.2	814.1
60°	616.3	629.9	689.0	743.6	761.8
62.5°	552.6	573.1	632.2	689.0	707.2
65°	491.2	513.9	577.6	632.2	652.6
67.5°	427.5	454.8	520.8	573.1	595.8
70°	370.7	398.0	459.4	513.9	536.7
72.5°	309.3	338.8	400.2	457.1	482.1
75°	247.9	279.7	341.1	393.4	413.9
77.5°	193.3	225.1	282.0	318.4	327.5
80°	138.7	166.0	213.8	238.8	247.9
82.5°	93.2	113.7	145.5	154.6	159.2
85°	52.3	63.7	72.8	70.5	65.9
87.5°	22.7	18.2	15.9	6.8	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)