

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: P302367

Luminaire Tested: **RX-WO-60L835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-60L835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

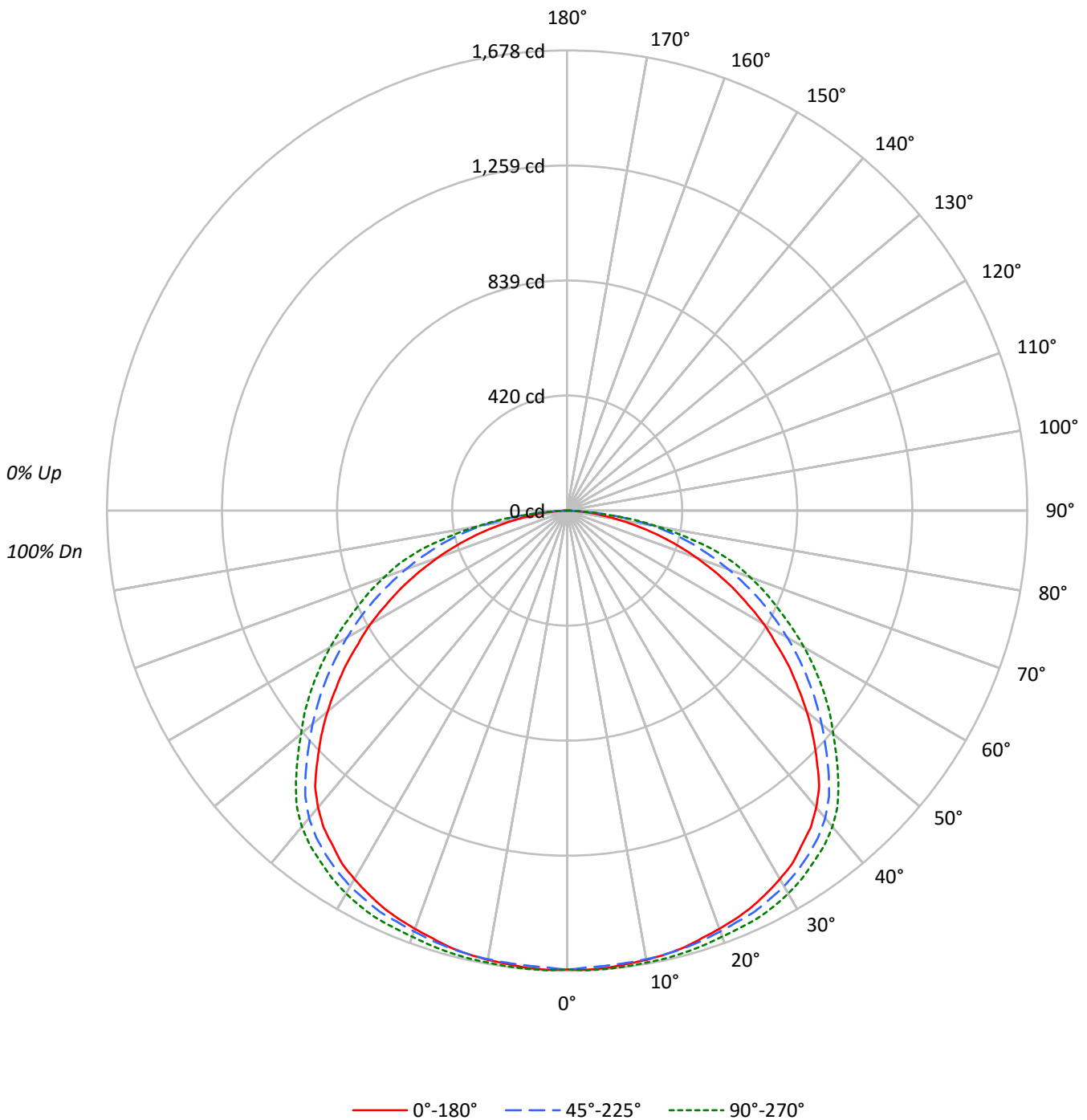
Lumens per Lamp: N/A
Luminaire Lumens: 5699.3 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.1
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	103	98	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2252	2252	2252
5°	2261	2249	2266
10°	2273	2270	2287
15°	2297	2300	2323
20°	2324	2338	2367
25°	2367	2397	2436
30°	2411	2458	2506
35°	2448	2519	2572
40°	2483	2572	2643
45°	2449	2566	2662
50°	2388	2537	2652
55°	2314	2514	2671
60°	2233	2495	2687
65°	2124	2480	2706
70°	1976	2464	2792
75°	1776	2474	2865
80°	1465	2442	2616
85°	1067	1820	1695



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	2.8
10°-20°	468.6	8.2
20°-30°	746.4	13.1
30°-40°	959.6	16.8
40°-50°	1037.6	18.2
50°-60°	954.5	16.7
60°-70°	760.9	13.4
70°-80°	483.4	8.5
80°-90°	128.8	2.3
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°	1374.5	24.1
0°-40°	2334.0	41.0
0°-60°	4326.1	75.9
0°-90°	5699.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5699.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1674	1674	1674	1674	1674	
5°	1674	1674	1666	1676	1678	159
15°	1649	1651	1651	1666	1668	466
25°	1594	1600	1615	1633	1641	736
35°	1491	1507	1533	1562	1566	934
45°	1287	1310	1348	1385	1399	992
55°	986	1015	1072	1120	1139	880
65°	667	702	779	836	850	658
75°	342	390	476	539	551	361
85°	69	108	118	118	110	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1673.7	1673.7	1673.7	1673.7	1673.7
2.5°	1675.7	1675.7	1667.6	1677.7	1677.7
5°	1673.7	1673.7	1665.5	1675.7	1677.7
7.5°	1667.6	1669.6	1663.5	1673.7	1675.7
10°	1663.5	1665.5	1661.5	1671.6	1673.7
12.5°	1657.4	1659.4	1657.4	1669.6	1671.6
15°	1649.3	1651.3	1651.3	1665.5	1667.6
17.5°	1635.0	1639.1	1643.2	1659.4	1661.5
20°	1622.8	1626.9	1633.0	1651.3	1653.3
22.5°	1610.6	1614.7	1622.8	1645.2	1647.2
25°	1594.3	1600.4	1614.7	1633.0	1641.1
27.5°	1574.0	1586.2	1598.4	1620.8	1628.9
30°	1551.6	1563.8	1582.1	1606.5	1612.7
32.5°	1527.2	1539.4	1559.8	1586.2	1592.3
35°	1490.6	1506.9	1533.3	1561.8	1565.9
37.5°	1458.1	1474.4	1502.8	1533.3	1539.4
40°	1413.4	1433.7	1464.2	1492.7	1504.9
42.5°	1360.5	1380.8	1413.4	1447.9	1460.1
45°	1287.3	1309.6	1348.3	1384.9	1399.1
47.5°	1216.1	1236.4	1279.1	1321.8	1332.0
50°	1140.9	1165.3	1212.0	1256.8	1266.9
52.5°	1061.5	1092.0	1142.9	1189.7	1205.9
55°	986.3	1014.8	1071.7	1120.5	1138.8
57.5°	902.9	937.5	1000.5	1053.4	1069.7
60°	829.7	860.2	927.3	982.2	998.5
62.5°	744.3	780.9	854.1	909.0	923.3
65°	667.0	701.6	778.9	835.8	850.0
67.5°	583.6	624.3	701.6	760.6	782.9
70°	502.3	545.0	626.4	687.4	709.7
72.5°	421.0	467.7	549.1	612.1	640.6
75°	341.6	390.5	475.9	538.9	551.1
77.5°	262.3	317.2	398.6	443.3	443.3
80°	189.1	244.0	315.2	327.4	337.6
82.5°	126.1	176.9	215.6	227.8	229.8
85°	69.1	107.8	117.9	117.9	109.8
87.5°	26.4	34.6	24.4	12.2	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)