

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: P302359

Luminaire Tested: **RX-WO-70L830-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302359
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-70L830-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

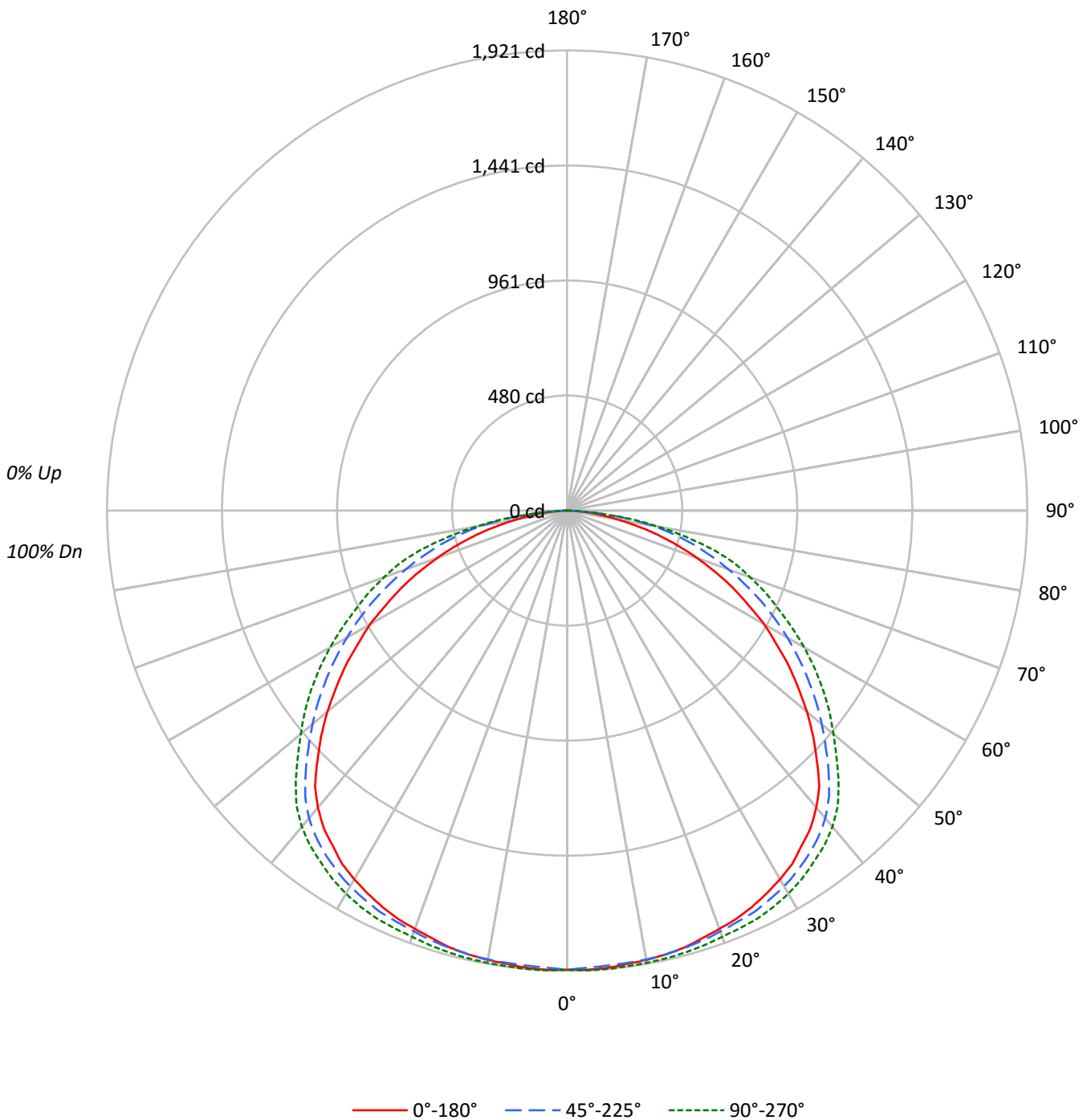
Lumens per Lamp: N/A
Luminaire Lumens: 6526.5 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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			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°	2579	2579	2579
5°	2589	2576	2595
10°	2603	2599	2619
15°	2631	2634	2660
20°	2661	2678	2711
25°	2710	2745	2790
30°	2761	2815	2869
35°	2804	2884	2945
40°	2843	2945	3027
45°	2805	2938	3049
50°	2735	2905	3037
55°	2649	2879	3059
60°	2557	2858	3077
65°	2432	2840	3099
70°	2263	2822	3197
75°	2034	2833	3281
80°	1678	2797	2996
85°	1223	2086	1942



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.6	2.8
10°-20°	536.6	8.2
20°-30°	854.7	13.1
30°-40°	1098.8	16.8
40°-50°	1188.2	18.2
50°-60°	1093.0	16.7
60°-70°	871.4	13.4
70°-80°	553.6	8.5
80°-90°	147.5	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°	1574.0	24.1
0°-40°	2672.8	41.0
0°-60°	4954.0	75.9
0°-90°	6526.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6526.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1917	1917	1917	1917	1917	
5°	1917	1917	1907	1919	1921	182
15°	1889	1891	1891	1907	1910	534
25°	1826	1833	1849	1870	1879	842
35°	1707	1726	1756	1788	1793	1070
45°	1474	1500	1544	1586	1602	1136
55°	1129	1162	1227	1283	1304	1008
65°	764	803	892	957	973	754
75°	391	447	545	617	631	414
85°	79	123	135	135	126	99
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1916.6	1916.6	1916.6	1916.6	1916.6
2.5°	1918.9	1918.9	1909.6	1921.2	1921.2
5°	1916.6	1916.6	1907.2	1918.9	1921.2
7.5°	1909.6	1911.9	1904.9	1916.6	1918.9
10°	1904.9	1907.2	1902.6	1914.2	1916.6
12.5°	1897.9	1900.3	1897.9	1911.9	1914.2
15°	1888.6	1890.9	1890.9	1907.2	1909.6
17.5°	1872.3	1877.0	1881.6	1900.3	1902.6
20°	1858.3	1863.0	1870.0	1890.9	1893.3
22.5°	1844.4	1849.0	1858.3	1884.0	1886.3
25°	1825.7	1832.7	1849.0	1870.0	1879.3
27.5°	1802.5	1816.4	1830.4	1856.0	1865.3
30°	1776.8	1790.8	1811.8	1839.7	1846.7
32.5°	1748.9	1762.9	1786.2	1816.4	1823.4
35°	1707.0	1725.6	1755.9	1788.5	1793.1
37.5°	1669.7	1688.3	1720.9	1755.9	1762.9
40°	1618.5	1641.8	1676.7	1709.3	1723.3
42.5°	1557.9	1581.2	1618.5	1658.1	1672.0
45°	1474.1	1499.7	1544.0	1585.9	1602.2
47.5°	1392.6	1415.9	1464.8	1513.7	1525.3
50°	1306.4	1334.4	1387.9	1439.2	1450.8
52.5°	1215.6	1250.5	1308.8	1362.3	1381.0
55°	1129.4	1162.0	1227.3	1283.1	1304.1
57.5°	1034.0	1073.6	1145.7	1206.3	1224.9
60°	950.1	985.1	1061.9	1124.8	1143.4
62.5°	852.3	894.2	978.1	1041.0	1057.3
65°	763.8	803.4	891.9	957.1	973.4
67.5°	668.4	714.9	803.4	871.0	896.6
70°	575.2	624.1	717.3	787.1	812.7
72.5°	482.1	535.6	628.8	701.0	733.6
75°	391.2	447.1	544.9	617.1	631.1
77.5°	300.4	363.3	456.4	507.7	507.7
80°	216.6	279.5	361.0	374.9	386.6
82.5°	144.4	202.6	246.8	260.8	263.1
85°	79.2	123.4	135.1	135.1	125.8
87.5°	30.3	39.6	27.9	14.0	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)