

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: P302360

Luminaire Tested: **RX-WO-75L830-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302360
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-75L830-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

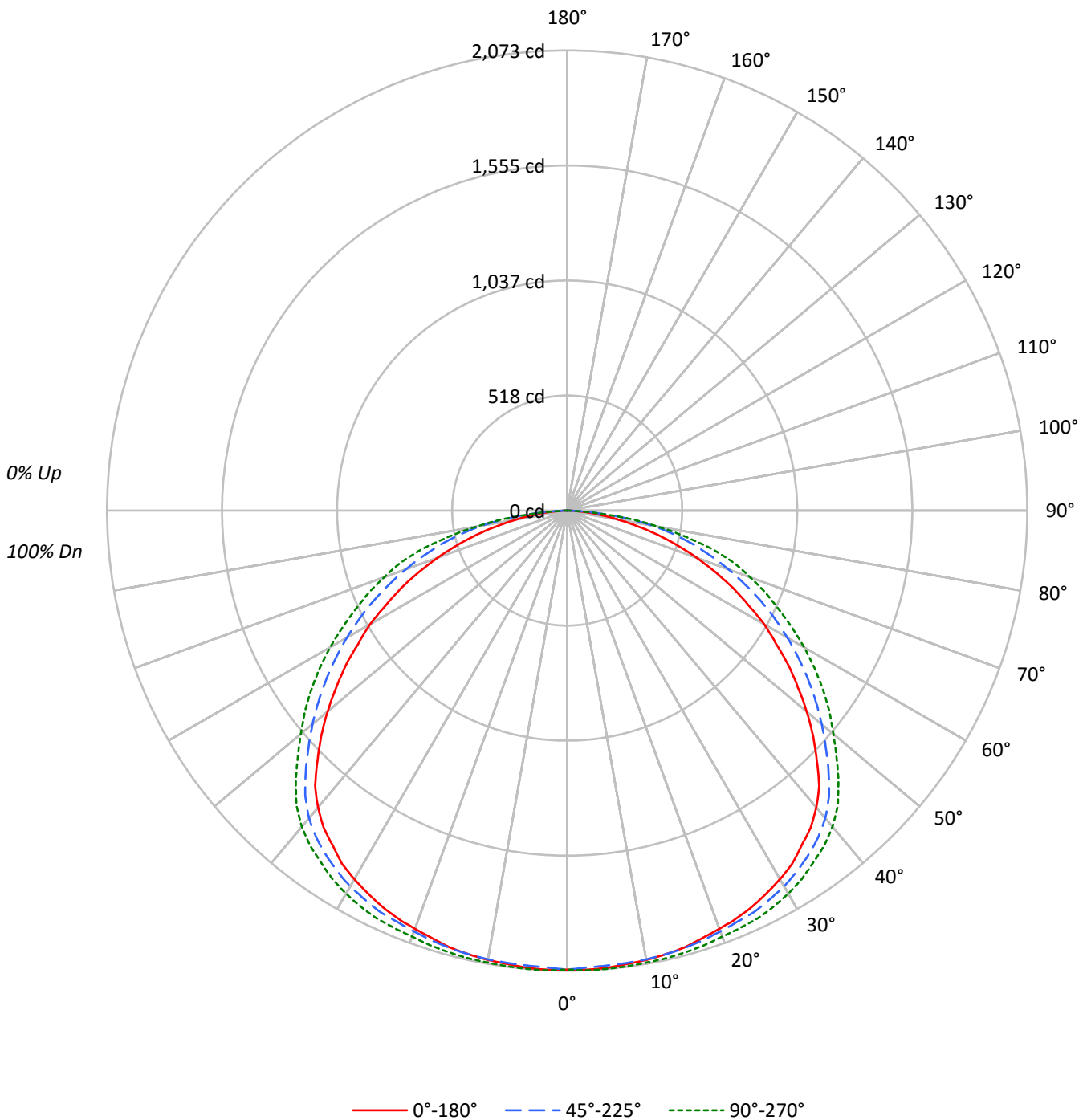
Lumens per Lamp: N/A
Luminaire Lumens: 7042.0 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 55.4
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	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°	2782	2782	2782
5°	2793	2779	2800
10°	2808	2805	2825
15°	2839	2842	2870
20°	2871	2889	2925
25°	2924	2962	3010
30°	2979	3037	3096
35°	3025	3112	3178
40°	3067	3178	3266
45°	3026	3170	3289
50°	2951	3135	3277
55°	2859	3106	3301
60°	2759	3083	3320
65°	2624	3064	3344
70°	2441	3044	3450
75°	2194	3057	3540
80°	1811	3018	3232
85°	1318	2249	2095



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.0	2.8
10°-20°	579.0	8.2
20°-30°	922.3	13.1
30°-40°	1185.6	16.8
40°-50°	1282.0	18.2
50°-60°	1179.3	16.7
60°-70°	940.2	13.4
70°-80°	597.3	8.5
80°-90°	159.1	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°	1698.3	24.1
0°-40°	2883.9	41.0
0°-60°	5345.3	75.9
0°-90°	7042.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7042.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2068	2068	2068	2068	2068	
5°	2068	2068	2058	2070	2073	197
15°	2038	2040	2040	2058	2060	576
25°	1970	1978	1995	2018	2028	909
35°	1842	1862	1895	1930	1935	1154
45°	1590	1618	1666	1711	1729	1226
55°	1219	1254	1324	1384	1407	1087
65°	824	867	962	1033	1050	813
75°	422	482	588	666	681	446
85°	85	133	146	146	136	106
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2067.9	2067.9	2067.9	2067.9	2067.9
2.5°	2070.4	2070.4	2060.4	2073.0	2073.0
5°	2067.9	2067.9	2057.9	2070.4	2073.0
7.5°	2060.4	2062.9	2055.4	2067.9	2070.4
10°	2055.4	2057.9	2052.9	2065.4	2067.9
12.5°	2047.8	2050.3	2047.8	2062.9	2065.4
15°	2037.8	2040.3	2040.3	2057.9	2060.4
17.5°	2020.2	2025.2	2030.2	2050.3	2052.9
20°	2005.1	2010.1	2017.7	2040.3	2042.8
22.5°	1990.0	1995.1	2005.1	2032.8	2035.3
25°	1969.9	1977.5	1995.1	2017.7	2027.7
27.5°	1944.8	1959.9	1975.0	2002.6	2012.7
30°	1917.2	1932.2	1954.9	1985.0	1992.6
32.5°	1887.0	1902.1	1927.2	1959.9	1967.4
35°	1841.8	1861.9	1894.6	1929.7	1934.8
37.5°	1801.6	1821.7	1856.9	1894.6	1902.1
40°	1746.3	1771.4	1809.1	1844.3	1859.4
42.5°	1681.0	1706.1	1746.3	1789.0	1804.1
45°	1590.5	1618.2	1665.9	1711.1	1728.7
47.5°	1502.6	1527.7	1580.5	1633.2	1645.8
50°	1409.6	1439.8	1497.6	1552.8	1565.4
52.5°	1311.6	1349.3	1412.1	1469.9	1490.0
55°	1218.6	1253.8	1324.2	1384.5	1407.1
57.5°	1115.6	1158.3	1236.2	1301.6	1321.7
60°	1025.2	1062.9	1145.8	1213.6	1233.7
62.5°	919.6	964.9	1055.3	1123.2	1140.8
65°	824.2	866.9	962.4	1032.7	1050.3
67.5°	721.1	771.4	866.9	939.7	967.4
70°	620.6	673.4	773.9	849.3	876.9
72.5°	520.1	577.9	678.4	756.3	791.5
75°	422.1	482.4	588.0	665.9	680.9
77.5°	324.1	392.0	492.5	547.8	547.8
80°	233.7	301.5	389.5	404.5	417.1
82.5°	155.8	218.6	266.3	281.4	283.9
85°	85.4	133.2	145.7	145.7	135.7
87.5°	32.7	42.7	30.2	15.1	10.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)