

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: P302369

Luminaire Tested: **RX-WO-70L835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302369
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-70L835-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

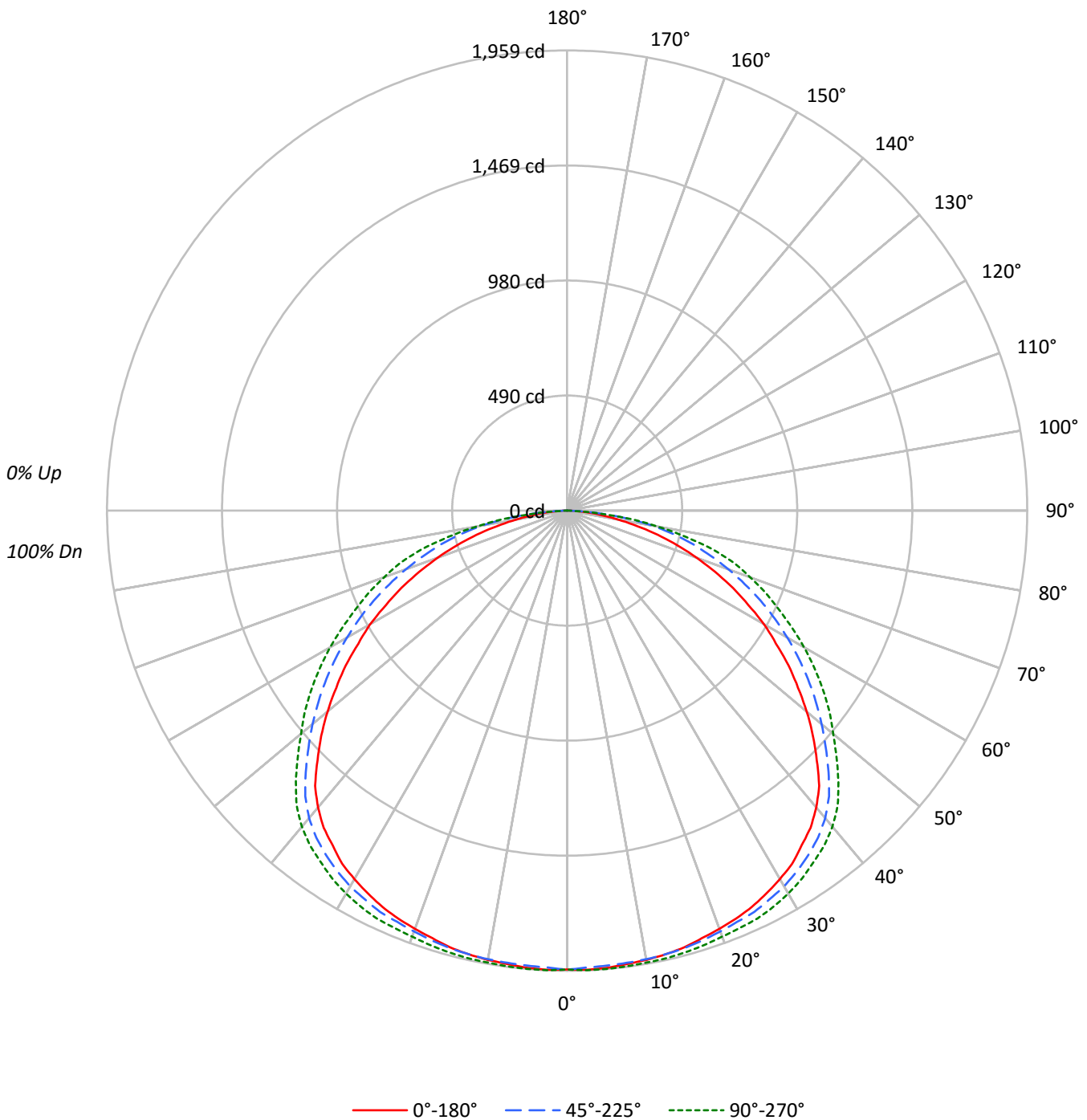
Lumens per Lamp: N/A
Luminaire Lumens: 6654.0 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
Input Voltage (V): 120
Input Current (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°	2629	2629	2629
5°	2639	2626	2645
10°	2653	2650	2670
15°	2682	2685	2712
20°	2713	2730	2764
25°	2763	2799	2844
30°	2814	2870	2925
35°	2859	2940	3003
40°	2898	3002	3086
45°	2860	2995	3108
50°	2788	2962	3096
55°	2701	2935	3119
60°	2607	2914	3137
65°	2479	2895	3160
70°	2307	2877	3260
75°	2074	2888	3345
80°	1711	2851	3054
85°	1246	2126	1979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.2	2.8
10°-20°	547.1	8.2
20°-30°	871.4	13.1
30°-40°	1120.3	16.8
40°-50°	1211.4	18.2
50°-60°	1114.4	16.7
60°-70°	888.4	13.4
70°-80°	564.4	8.5
80°-90°	150.4	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°	1604.7	24.1
0°-40°	2725.0	41.0
0°-60°	5050.8	75.9
0°-90°	6654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6654.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1954	1954	1954	1954	1954	
5°	1954	1954	1944	1956	1959	186
15°	1926	1928	1928	1944	1947	544
25°	1861	1868	1885	1906	1916	859
35°	1740	1759	1790	1823	1828	1091
45°	1503	1529	1574	1617	1634	1159
55°	1152	1185	1251	1308	1330	1028
65°	779	819	909	976	992	769
75°	399	456	556	629	643	422
85°	81	126	138	138	128	100
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1954.0	1954.0	1954.0	1954.0	1954.0
2.5°	1956.4	1956.4	1946.9	1958.7	1958.7
5°	1954.0	1954.0	1944.5	1956.4	1958.7
7.5°	1946.9	1949.2	1942.1	1954.0	1956.4
10°	1942.1	1944.5	1939.7	1951.6	1954.0
12.5°	1935.0	1937.4	1935.0	1949.2	1951.6
15°	1925.5	1927.9	1927.9	1944.5	1946.9
17.5°	1908.9	1913.6	1918.4	1937.4	1939.7
20°	1894.6	1899.4	1906.5	1927.9	1930.3
22.5°	1880.4	1885.1	1894.6	1920.8	1923.1
25°	1861.4	1868.5	1885.1	1906.5	1916.0
27.5°	1837.7	1851.9	1866.1	1892.3	1901.8
30°	1811.5	1825.8	1847.2	1875.6	1882.8
32.5°	1783.0	1797.3	1821.0	1851.9	1859.0
35°	1740.3	1759.3	1790.2	1823.4	1828.2
37.5°	1702.3	1721.3	1754.6	1790.2	1797.3
40°	1650.1	1673.8	1709.4	1742.7	1756.9
42.5°	1588.4	1612.1	1650.1	1690.5	1704.7
45°	1502.9	1529.0	1574.1	1616.9	1633.5
47.5°	1419.8	1443.5	1493.4	1543.3	1555.1
50°	1331.9	1360.4	1415.0	1467.3	1479.1
52.5°	1239.3	1275.0	1334.3	1388.9	1407.9
55°	1151.5	1184.7	1251.2	1308.2	1329.6
57.5°	1054.2	1094.5	1168.1	1229.9	1248.8
60°	968.7	1004.3	1082.7	1146.8	1165.7
62.5°	869.0	911.7	997.2	1061.3	1077.9
65°	778.7	819.1	909.3	975.8	992.4
67.5°	681.4	728.9	819.1	888.0	914.1
70°	586.4	636.3	731.3	802.5	828.6
72.5°	491.5	546.1	641.0	714.6	747.9
75°	398.9	455.9	555.6	629.2	643.4
77.5°	306.3	370.4	465.3	517.6	517.6
80°	220.8	284.9	368.0	382.3	394.1
82.5°	147.2	206.6	251.7	265.9	268.3
85°	80.7	125.8	137.7	137.7	128.2
87.5°	30.9	40.4	28.5	14.2	9.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)