

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: P302169

Luminaire Tested: **RX-WO-24L835-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302169
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-24L835-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (112)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

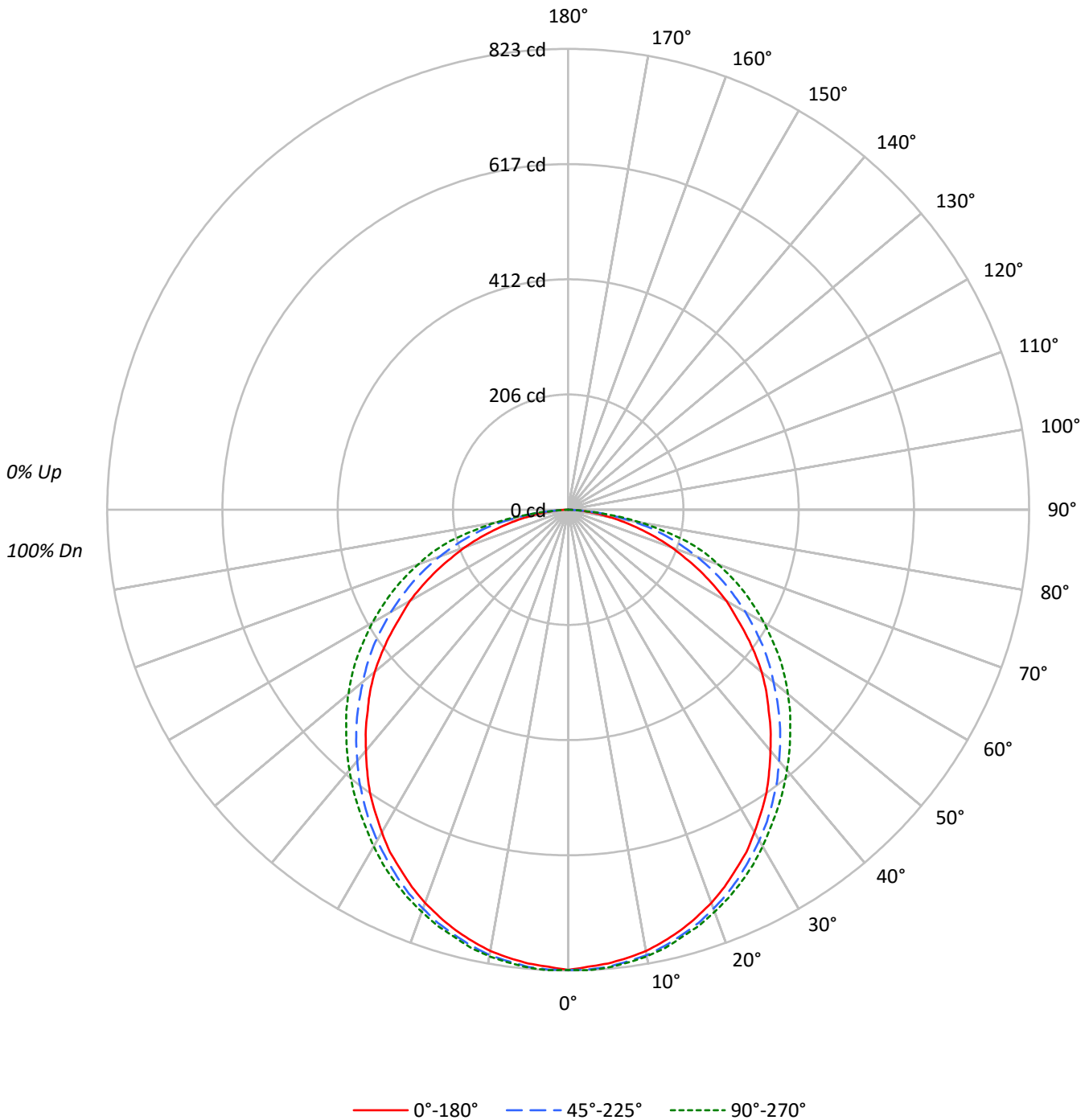
Lumens per Lamp: N/A
Luminaire Lumens: 2353.1 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.2
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	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°	2212	2212	2212
5°	2197	2214	2217
10°	2187	2206	2213
15°	2165	2189	2199
20°	2140	2171	2188
25°	2104	2147	2176
30°	2067	2119	2157
35°	2027	2090	2142
40°	1973	2057	2134
45°	1926	2032	2133
50°	1887	2003	2144
55°	1815	1990	2160
60°	1758	1965	2173
65°	1657	1949	2202
70°	1545	1915	2238
75°	1366	1880	2280
80°	1139	1756	2036
85°	855	1192	1078



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	3.3
10°-20°	221.4	9.4
20°-30°	332.7	14.1
30°-40°	397.5	16.9
40°-50°	412.2	17.5
50°-60°	378.6	16.1
60°-70°	300.7	12.8
70°-80°	186.6	7.9
80°-90°	45.6	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°	631.8	26.9
0°-40°	1029.4	43.7
0°-60°	1820.2	77.4
0°-90°	2353.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2353.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	822	822	822	822	822	
5°	814	816	820	821	821	77
15°	777	780	786	789	789	219
25°	709	714	723	732	733	327
35°	617	623	636	648	652	385
45°	506	513	534	554	560	391
55°	387	396	424	451	460	346
65°	260	272	306	335	346	258
75°	131	148	181	208	219	140
85°	28	34	39	37	35	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	821.9	821.9	821.9	821.9	821.9
2.5°	817.1	818.3	821.9	824.3	823.1
5°	813.5	815.9	819.5	820.7	820.7
7.5°	807.5	809.9	813.5	815.9	815.9
10°	800.2	802.6	807.5	809.9	809.9
12.5°	789.4	791.8	797.8	800.2	801.4
15°	777.3	779.7	785.8	789.4	789.4
17.5°	762.9	766.5	773.7	777.3	778.5
20°	747.2	750.8	758.0	762.9	764.1
22.5°	729.1	732.7	742.4	748.4	749.6
25°	708.6	713.5	723.1	731.5	732.7
27.5°	689.3	693.0	702.6	711.0	714.7
30°	665.2	671.3	682.1	691.8	694.2
32.5°	641.1	648.4	660.4	671.3	672.5
35°	617.0	623.1	636.3	648.4	652.0
37.5°	589.3	595.3	612.2	625.5	630.3
40°	561.6	570.0	585.7	601.4	607.4
42.5°	535.1	543.5	560.4	578.5	584.5
45°	506.2	513.4	533.9	554.4	560.4
47.5°	479.7	485.7	506.2	530.3	537.5
50°	450.7	455.5	478.4	505.0	512.2
52.5°	419.4	426.6	451.9	478.4	486.9
55°	386.9	396.5	424.2	450.7	460.4
57.5°	354.3	365.2	394.1	423.0	431.4
60°	326.6	333.8	365.2	394.1	403.7
62.5°	292.9	303.7	335.0	365.2	374.8
65°	260.3	272.4	306.1	335.0	345.9
67.5°	226.6	241.0	276.0	303.7	315.8
70°	196.4	210.9	243.4	272.4	284.4
72.5°	163.9	179.6	212.1	242.2	255.5
75°	131.4	148.2	180.8	208.5	219.3
77.5°	102.4	119.3	149.4	168.7	173.5
80°	73.5	88.0	113.3	126.5	131.4
82.5°	49.4	60.3	77.1	82.0	84.4
85°	27.7	33.7	38.6	37.4	34.9
87.5°	12.1	9.6	8.4	3.6	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)