

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: P302204

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302204
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-24L835-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (112)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2385.0 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

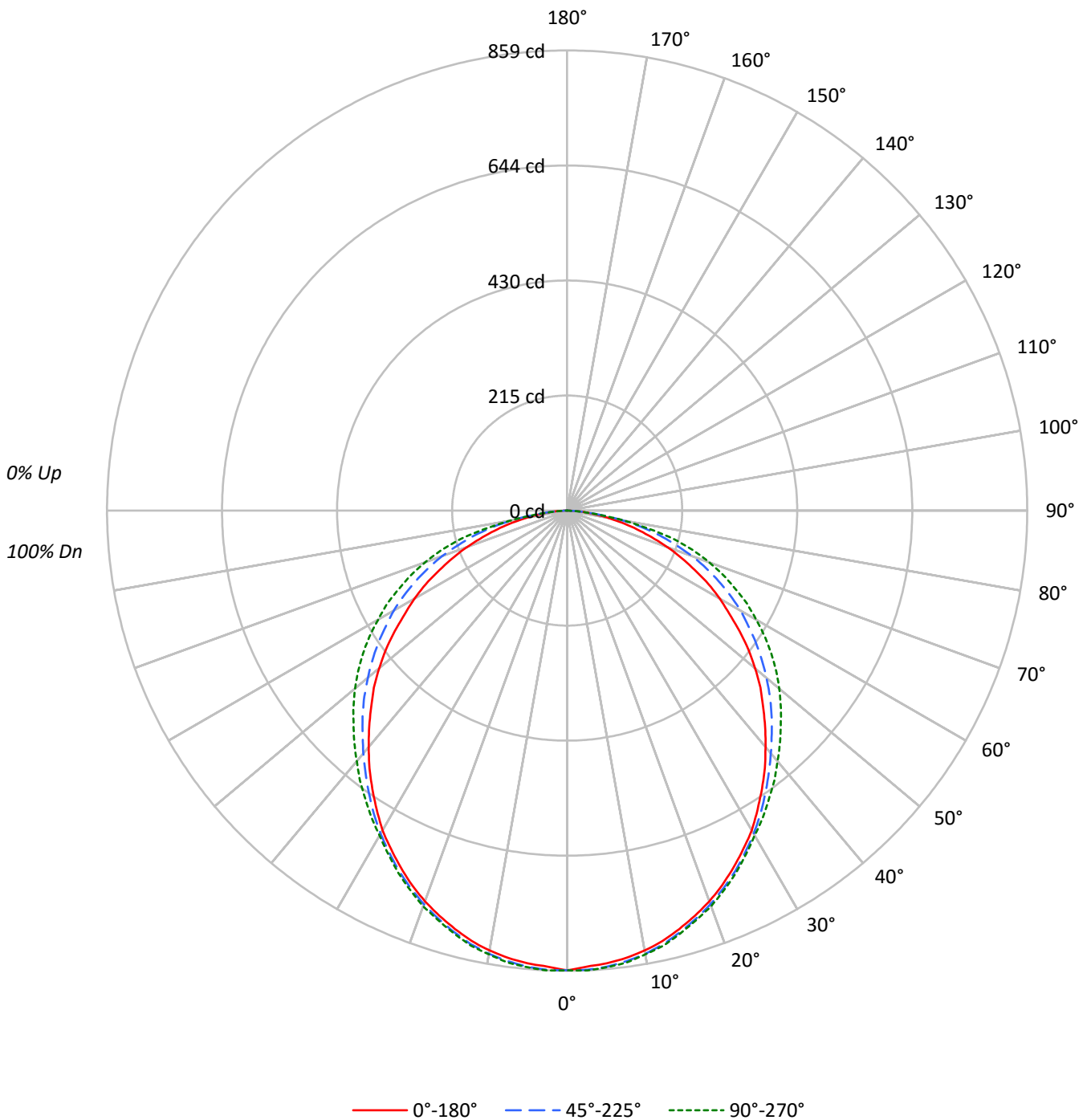
Input Watts (W): 19.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	76	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2309	2309	2309
5°	2292	2308	2311
10°	2279	2295	2299
15°	2253	2270	2276
20°	2223	2240	2250
25°	2183	2204	2215
30°	2142	2165	2176
35°	2082	2118	2158
40°	2024	2079	2146
45°	1968	2055	2146
50°	1917	2033	2164
55°	1843	2018	2183
60°	1771	2011	2192
65°	1673	1987	2210
70°	1565	1954	2219
75°	1404	1855	2143
80°	1176	1624	1644
85°	929	929	744



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.0	3.4
10°-20°	229.5	9.6
20°-30°	341.5	14.3
30°-40°	404.0	16.9
40°-50°	417.4	17.5
50°-60°	383.8	16.1
60°-70°	305.2	12.8
70°-80°	182.8	7.7
80°-90°	39.9	1.7
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°	652.0	27.3
0°-40°	1055.9	44.3
0°-60°	1857.1	77.9
0°-90°	2385.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2385.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	858	858	858	858	858	
5°	848	851	854	856	856	81
15°	809	811	815	817	817	228
25°	735	738	742	746	746	339
35°	634	638	645	653	657	397
45°	517	522	540	559	564	400
55°	393	401	430	457	465	351
65°	263	278	312	340	347	261
75°	135	153	178	199	206	143
85°	30	32	30	28	24	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	858.1	858.1	858.1	858.1	858.1
2.5°	852.0	854.5	858.1	859.3	859.3
5°	848.4	850.8	854.5	855.7	855.7
7.5°	842.4	844.8	848.4	849.6	850.8
10°	834.0	836.4	840.0	841.2	841.2
12.5°	823.1	824.3	829.1	830.4	831.6
15°	808.7	811.1	814.7	817.1	817.1
17.5°	793.0	795.4	799.0	801.4	801.4
20°	776.1	778.5	782.1	784.6	785.8
22.5°	756.8	759.2	762.9	766.5	766.5
25°	735.1	737.6	742.4	746.0	746.0
27.5°	712.2	714.7	719.5	723.1	723.1
30°	689.4	690.6	696.6	699.0	700.2
32.5°	661.6	665.2	671.3	676.1	679.7
35°	633.9	637.5	644.8	653.2	656.8
37.5°	606.2	609.8	618.2	630.3	635.1
40°	576.1	580.9	591.7	607.4	611.0
42.5°	547.1	553.2	565.2	583.3	588.1
45°	517.0	521.8	539.9	559.2	564.0
47.5°	489.3	492.9	513.4	535.1	541.1
50°	458.0	462.8	485.7	509.8	517.0
52.5°	426.6	432.7	458.0	483.3	491.7
55°	392.9	401.3	430.2	456.8	465.2
57.5°	359.1	371.2	401.3	427.8	437.5
60°	329.0	339.9	373.6	398.9	407.3
62.5°	297.7	309.7	343.5	368.8	379.6
65°	262.7	278.4	312.1	339.9	347.1
67.5°	231.4	247.1	280.8	306.1	315.8
70°	198.9	216.9	248.3	271.2	282.0
72.5°	165.1	184.4	212.1	236.2	247.1
75°	135.0	153.1	178.4	198.9	206.1
77.5°	104.8	121.7	142.2	154.3	156.7
80°	75.9	89.2	104.8	107.3	106.1
82.5°	50.6	60.3	65.1	62.7	62.7
85°	30.1	32.5	30.1	27.7	24.1
87.5°	10.8	9.6	7.2	4.8	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)