

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: P297926

Luminaire Tested: **D3X-WO-23L92765-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-23L92765-LD5-UNV-14-T1-W2A-3500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2025.0 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

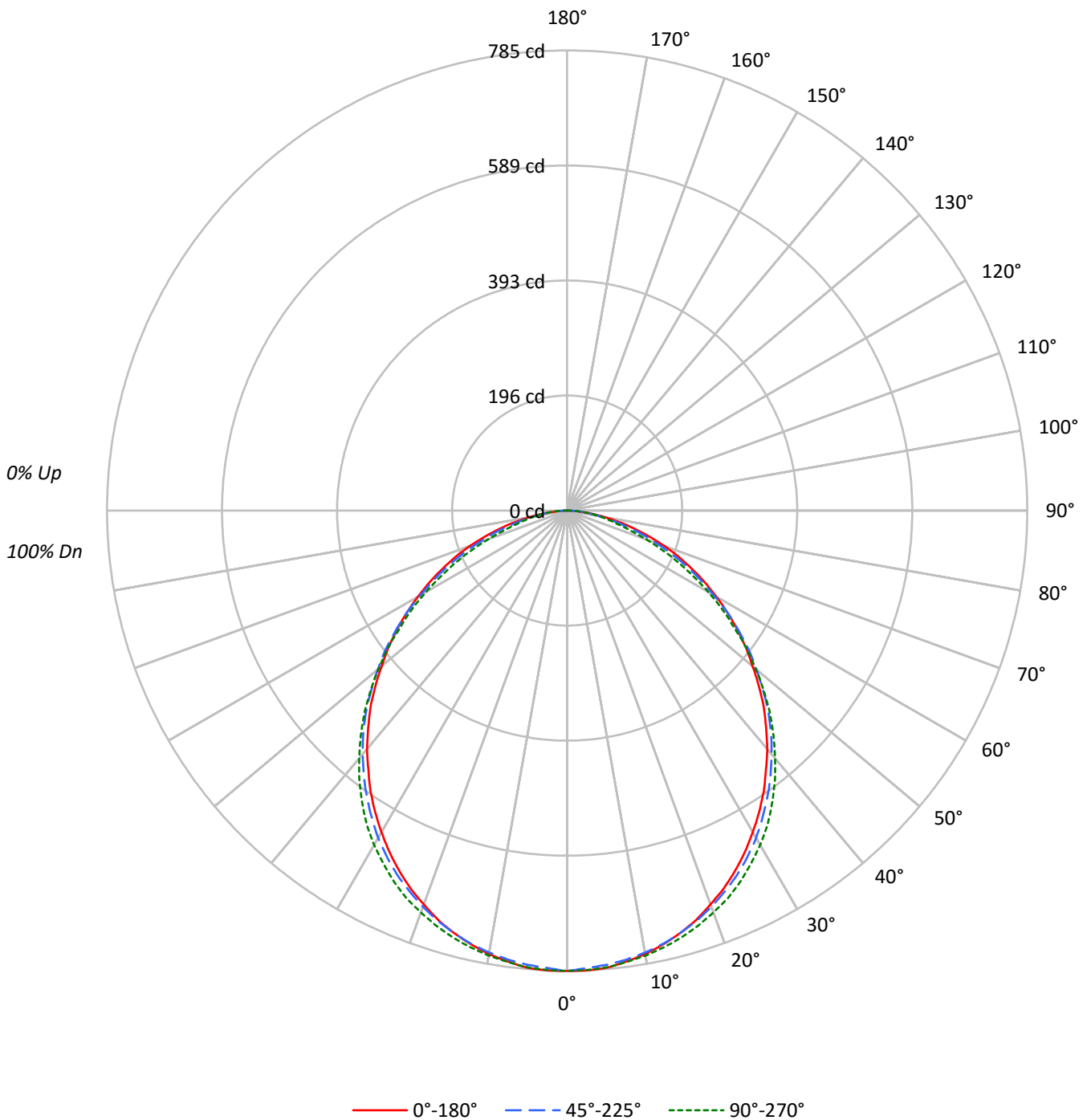
Input Watts (W): 20.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2113	2113	2113
5°	2115	2101	2112
10°	2099	2092	2106
15°	2078	2078	2100
20°	2048	2060	2089
25°	2013	2037	2075
30°	1968	2003	2046
35°	1920	1957	2002
40°	1866	1906	1939
45°	1807	1846	1862
50°	1729	1765	1757
55°	1663	1675	1631
60°	1580	1557	1497
65°	1492	1432	1333
70°	1385	1270	1128
75°	1232	1089	928
80°	1024	891	865
85°	741	797	797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	3.7
10°-20°	211.1	10.4
20°-30°	316.5	15.6
30°-40°	372.8	18.4
40°-50°	371.9	18.4
50°-60°	316.3	15.6
60°-70°	220.8	10.9
70°-80°	112.2	5.5
80°-90°	29.3	1.4
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°	601.7	29.7
0°-40°	974.6	48.1
0°-60°	1662.7	82.1
0°-90°	2025.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2025.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	785	785	785	785	785	
5°	783	781	778	782	782	74
15°	746	746	746	753	754	210
25°	678	679	686	696	699	312
35°	585	585	596	608	610	365
45°	475	476	485	488	489	365
55°	354	354	357	352	348	317
65°	234	231	225	213	209	232
75°	118	114	105	92	89	126
85°	24	25	26	26	26	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	785.4	785.4	785.4	785.4	785.4
2.5°	785.4	784.6	781.1	784.6	784.6
5°	782.9	781.1	777.7	782.0	782.0
7.5°	776.0	775.1	772.6	776.8	776.8
10°	768.3	767.4	765.7	770.8	770.8
12.5°	758.0	758.0	757.1	762.3	763.1
15°	745.9	745.9	745.9	752.8	753.7
17.5°	732.2	731.3	733.9	741.6	742.5
20°	715.0	715.9	719.3	727.9	729.6
22.5°	697.9	698.7	703.0	713.3	715.9
25°	678.1	679.0	685.9	696.2	698.7
27.5°	656.7	658.4	666.1	677.3	679.0
30°	633.5	635.2	644.7	655.8	658.4
32.5°	609.5	612.0	620.6	632.6	636.1
35°	584.6	585.4	595.7	607.7	609.5
37.5°	557.1	559.7	570.0	580.3	582.0
40°	531.3	533.1	542.5	551.1	551.9
42.5°	502.2	504.7	515.0	521.0	521.0
45°	474.7	476.4	485.0	488.4	489.3
47.5°	443.8	445.5	453.2	454.9	454.9
50°	412.9	417.2	421.5	421.5	419.8
52.5°	384.6	385.4	390.6	387.1	385.4
55°	354.5	354.5	357.1	351.9	347.6
57.5°	324.5	324.5	324.5	317.6	314.2
60°	293.6	292.7	289.3	280.7	278.1
62.5°	264.4	261.8	256.7	248.1	242.9
65°	234.3	230.9	224.9	212.9	209.4
67.5°	206.0	200.0	193.1	182.0	176.0
70°	176.0	170.8	161.4	148.5	143.4
72.5°	146.8	141.6	133.9	121.0	113.3
75°	118.5	114.2	104.7	91.8	89.3
77.5°	91.0	88.4	79.0	73.0	72.1
80°	66.1	65.2	57.5	55.8	55.8
82.5°	43.8	42.9	40.3	40.3	39.5
85°	24.0	24.9	25.8	25.8	25.8
87.5°	8.6	10.3	12.0	12.0	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)