

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: P297901

Luminaire Tested: **D3X-WO-23L93050-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297901
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-23L93050-LD5-UNV-14-T1-W2A-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2173.0 lumens
Efficiency: N/A
Efficacy: 102.5 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

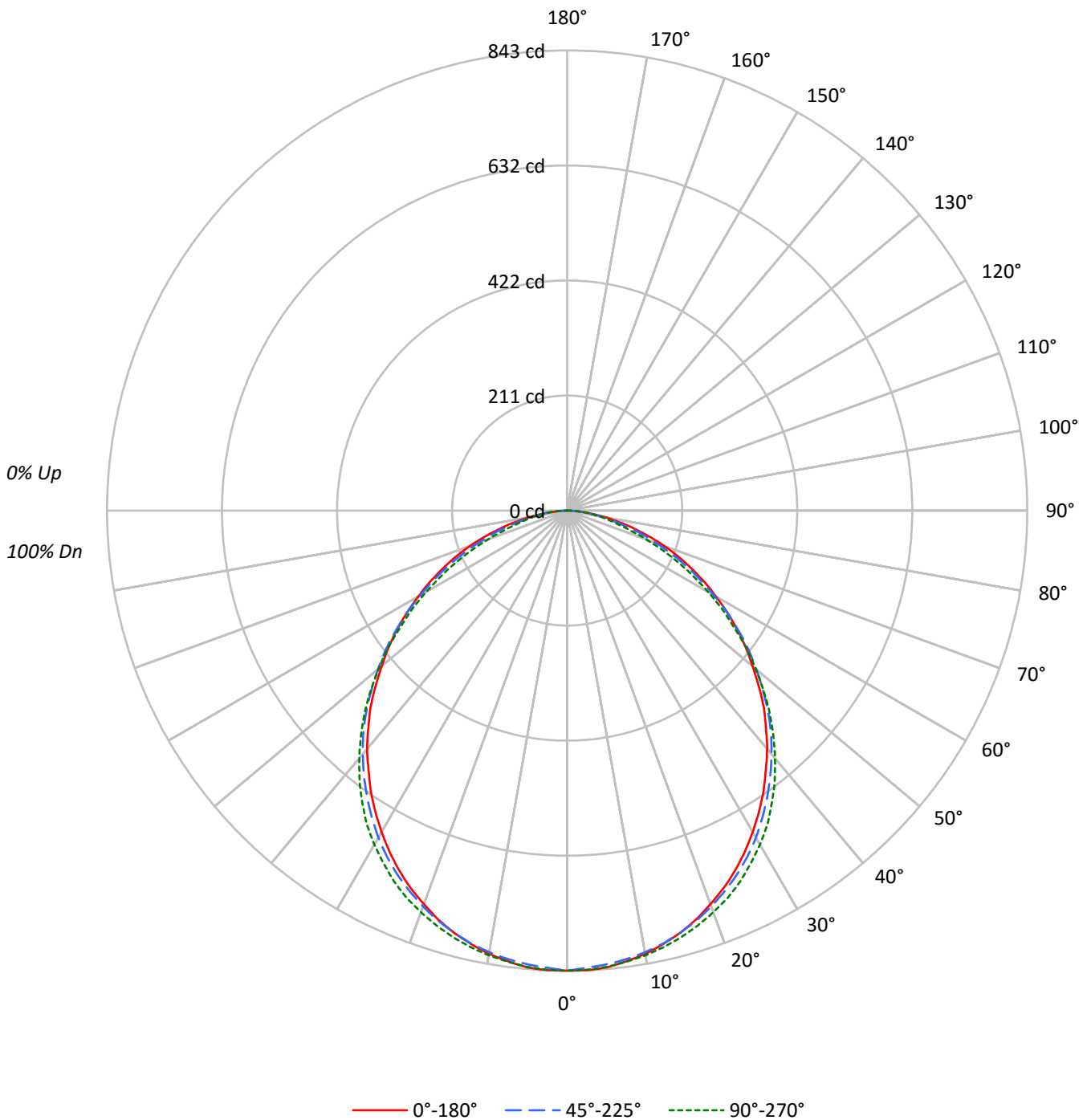
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297901

CATALOG NUMBER: D3X-WO-23L93050-LD5-UNV-14-T1-W2A-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P297901

CATALOG NUMBER: D3X-WO-23L93050-LD5-UNV-14-T1-W2A-4000K

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°	2268	2268	2268
5°	2269	2254	2267
10°	2253	2245	2260
15°	2230	2230	2253
20°	2197	2210	2242
25°	2161	2185	2226
30°	2112	2150	2195
35°	2061	2100	2148
40°	2003	2045	2081
45°	1939	1980	1998
50°	1855	1894	1886
55°	1785	1798	1750
60°	1695	1671	1606
65°	1601	1536	1431
70°	1485	1363	1210
75°	1321	1169	996
80°	1099	956	928
85°	797	852	852



TEST NUMBER: P297901

CATALOG NUMBER: D3X-WO-23L93050-LD5-UNV-14-T1-W2A-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	3.7
10°-20°	226.6	10.4
20°-30°	339.6	15.6
30°-40°	400.1	18.4
40°-50°	399.0	18.4
50°-60°	339.4	15.6
60°-70°	236.9	10.9
70°-80°	120.4	5.5
80°-90°	31.4	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°	645.7	29.7
0°-40°	1045.8	48.1
0°-60°	1784.3	82.1
0°-90°	2173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2173.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	843	843	843	843	843	
5°	840	838	834	839	839	80
15°	800	800	800	808	809	226
25°	728	729	736	747	750	335
35°	627	628	639	652	654	392
45°	509	511	520	524	525	392
55°	380	380	383	378	373	340
65°	252	248	241	228	225	249
75°	127	122	112	99	96	135
85°	26	27	28	28	28	32
90°	0	0	0	0	0	



TEST NUMBER: P297901

CATALOG NUMBER: D3X-WO-23L93050-LD5-UNV-14-T1-W2A-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	842.8	842.8	842.8	842.8	842.8
2.5°	842.8	841.9	838.2	841.9	841.9
5°	840.1	838.2	834.5	839.1	839.1
7.5°	832.7	831.8	829.0	833.6	833.6
10°	824.4	823.5	821.6	827.2	827.2
12.5°	813.4	813.4	812.4	818.0	818.9
15°	800.5	800.5	800.5	807.8	808.7
17.5°	785.7	784.8	787.6	795.9	796.8
20°	767.3	768.2	771.9	781.1	783.0
22.5°	748.9	749.8	754.4	765.5	768.2
25°	727.7	728.6	736.0	747.0	749.8
27.5°	704.7	706.5	714.8	726.8	728.6
30°	679.8	681.6	691.8	703.7	706.5
32.5°	654.0	656.8	666.0	678.9	682.6
35°	627.3	628.2	639.3	652.2	654.0
37.5°	597.8	600.6	611.6	622.7	624.5
40°	570.2	572.0	582.2	591.4	592.3
42.5°	538.9	541.6	552.7	559.1	559.1
45°	509.4	511.2	520.4	524.1	525.0
47.5°	476.2	478.1	486.4	488.2	488.2
50°	443.1	447.7	452.3	452.3	450.4
52.5°	412.7	413.6	419.1	415.4	413.6
55°	380.4	380.4	383.2	377.7	373.1
57.5°	348.2	348.2	348.2	340.8	337.1
60°	315.0	314.1	310.4	301.2	298.4
62.5°	283.7	280.9	275.4	266.2	260.7
65°	251.5	247.8	241.3	228.4	224.8
67.5°	221.1	214.6	207.3	195.3	188.8
70°	188.8	183.3	173.2	159.4	153.8
72.5°	157.5	152.0	143.7	129.9	121.6
75°	127.1	122.5	112.4	98.6	95.8
77.5°	97.6	94.9	84.7	78.3	77.4
80°	70.9	70.0	61.7	59.9	59.9
82.5°	47.0	46.1	43.3	43.3	42.4
85°	25.8	26.7	27.6	27.6	27.6
87.5°	9.2	11.1	12.9	12.9	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)