

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: P297934

Luminaire Tested: **D3X-WO-26L92765-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297934
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-26L92765-LD5-UNV-14-T1-W2A-3000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2177.0 lumens
Efficiency: N/A
Efficacy: 92.2 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

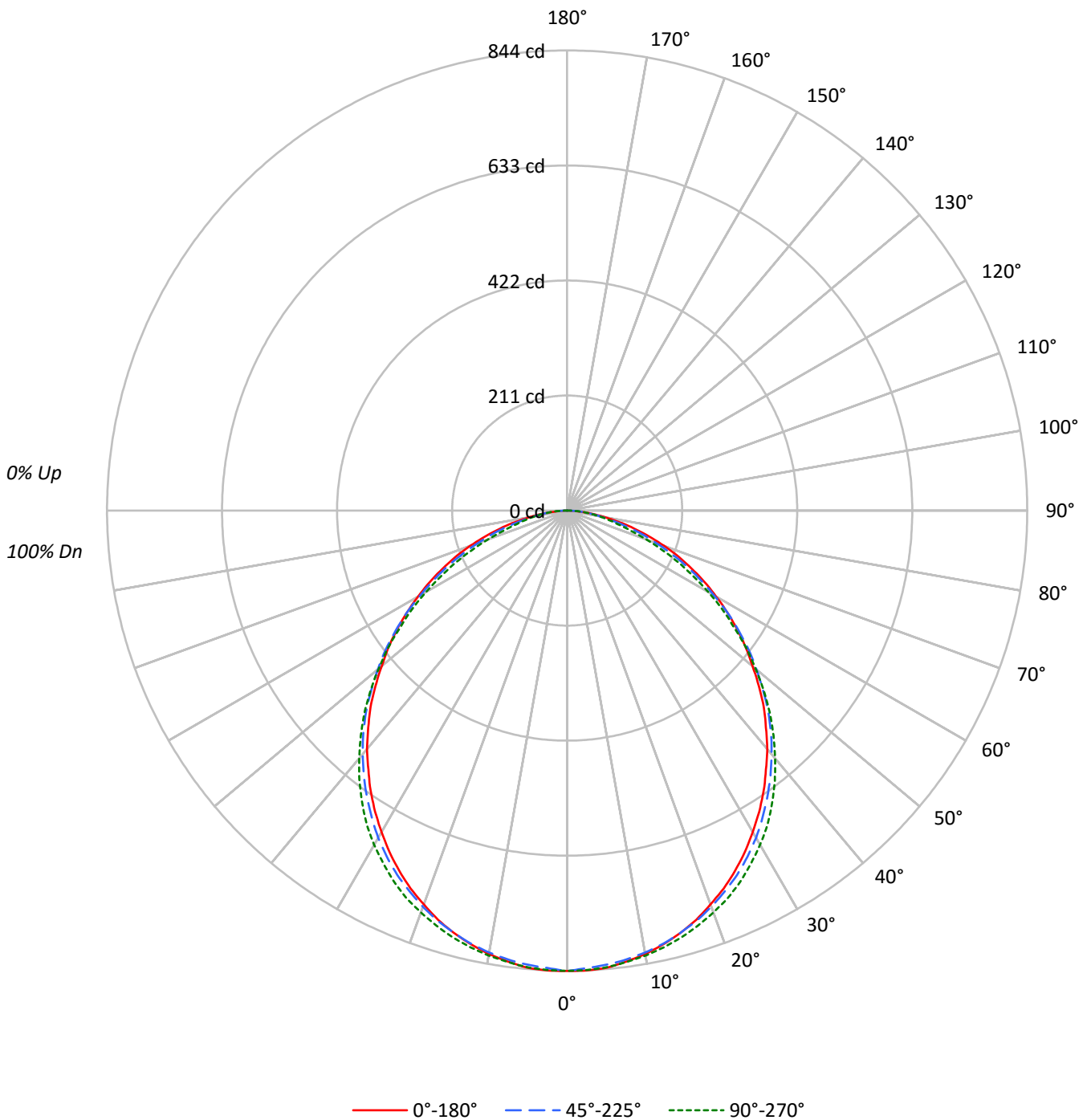
Input Watts (W): 23.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297934

CATALOG NUMBER: D3X-WO-26L92765-LD5-UNV-14-T1-W2A-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P297934

CATALOG NUMBER: D3X-WO-26L92765-LD5-UNV-14-T1-W2A-3000K

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	31	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°	2272	2272	2272
5°	2273	2259	2271
10°	2257	2249	2264
15°	2234	2234	2257
20°	2201	2214	2246
25°	2165	2189	2230
30°	2116	2153	2199
35°	2064	2104	2152
40°	2007	2049	2085
45°	1942	1984	2002
50°	1858	1897	1889
55°	1788	1801	1753
60°	1699	1674	1609
65°	1604	1540	1434
70°	1489	1365	1212
75°	1324	1171	998
80°	1102	958	930
85°	797	855	855



TEST NUMBER: P297934

CATALOG NUMBER: D3X-WO-26L92765-LD5-UNV-14-T1-W2A-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	3.7
10°-20°	227.0	10.4
20°-30°	340.2	15.6
30°-40°	400.8	18.4
40°-50°	399.8	18.4
50°-60°	340.0	15.6
60°-70°	237.3	10.9
70°-80°	120.6	5.5
80°-90°	31.5	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°	646.9	29.7
0°-40°	1047.7	48.1
0°-60°	1787.5	82.1
0°-90°	2177.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2177.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	844	844	844	844	844	
5°	842	840	836	841	841	80
15°	802	802	802	809	810	226
25°	729	730	737	748	751	336
35°	628	629	640	653	655	393
45°	510	512	521	525	526	393
55°	381	381	384	378	374	341
65°	252	248	242	229	225	250
75°	127	123	113	99	96	135
85°	26	27	28	28	28	32
90°	0	0	0	0	0	



TEST NUMBER: P297934

CATALOG NUMBER: D3X-WO-26L92765-LD5-UNV-14-T1-W2A-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	844.4	844.4	844.4	844.4	844.4
2.5°	844.4	843.5	839.8	843.5	843.5
5°	841.6	839.8	836.1	840.7	840.7
7.5°	834.2	833.3	830.5	835.2	835.2
10°	825.9	825.0	823.2	828.7	828.7
12.5°	814.9	814.9	813.9	819.5	820.4
15°	801.9	801.9	801.9	809.3	810.2
17.5°	787.2	786.2	789.0	797.3	798.2
20°	768.7	769.6	773.3	782.6	784.4
22.5°	750.3	751.2	755.8	766.9	769.6
25°	729.0	730.0	737.3	748.4	751.2
27.5°	706.0	707.8	716.1	728.1	730.0
30°	681.0	682.9	693.0	705.0	707.8
32.5°	655.2	658.0	667.2	680.1	683.8
35°	628.4	629.4	640.4	653.4	655.2
37.5°	598.9	601.7	612.8	623.8	625.7
40°	571.2	573.1	583.2	592.5	593.4
42.5°	539.9	542.6	553.7	560.2	560.2
45°	510.3	512.2	521.4	525.1	526.0
47.5°	477.1	478.9	487.3	489.1	489.1
50°	443.9	448.5	453.1	453.1	451.3
52.5°	413.4	414.3	419.9	416.2	414.3
55°	381.1	381.1	383.9	378.4	373.7
57.5°	348.8	348.8	348.8	341.4	337.8
60°	315.6	314.7	311.0	301.8	299.0
62.5°	284.2	281.5	275.9	266.7	261.2
65°	251.9	248.2	241.8	228.9	225.2
67.5°	221.5	215.0	207.6	195.6	189.2
70°	189.2	183.6	173.5	159.6	154.1
72.5°	157.8	152.3	144.0	130.1	121.8
75°	127.3	122.7	112.6	98.7	96.0
77.5°	97.8	95.1	84.9	78.4	77.5
80°	71.1	70.1	61.8	60.0	60.0
82.5°	47.1	46.1	43.4	43.4	42.4
85°	25.8	26.8	27.7	27.7	27.7
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)