

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: P297656

Luminaire Tested: **D3X-WD-26L92765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-26L92765-LD5-UNV-14-T1-W2A-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2241.0 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

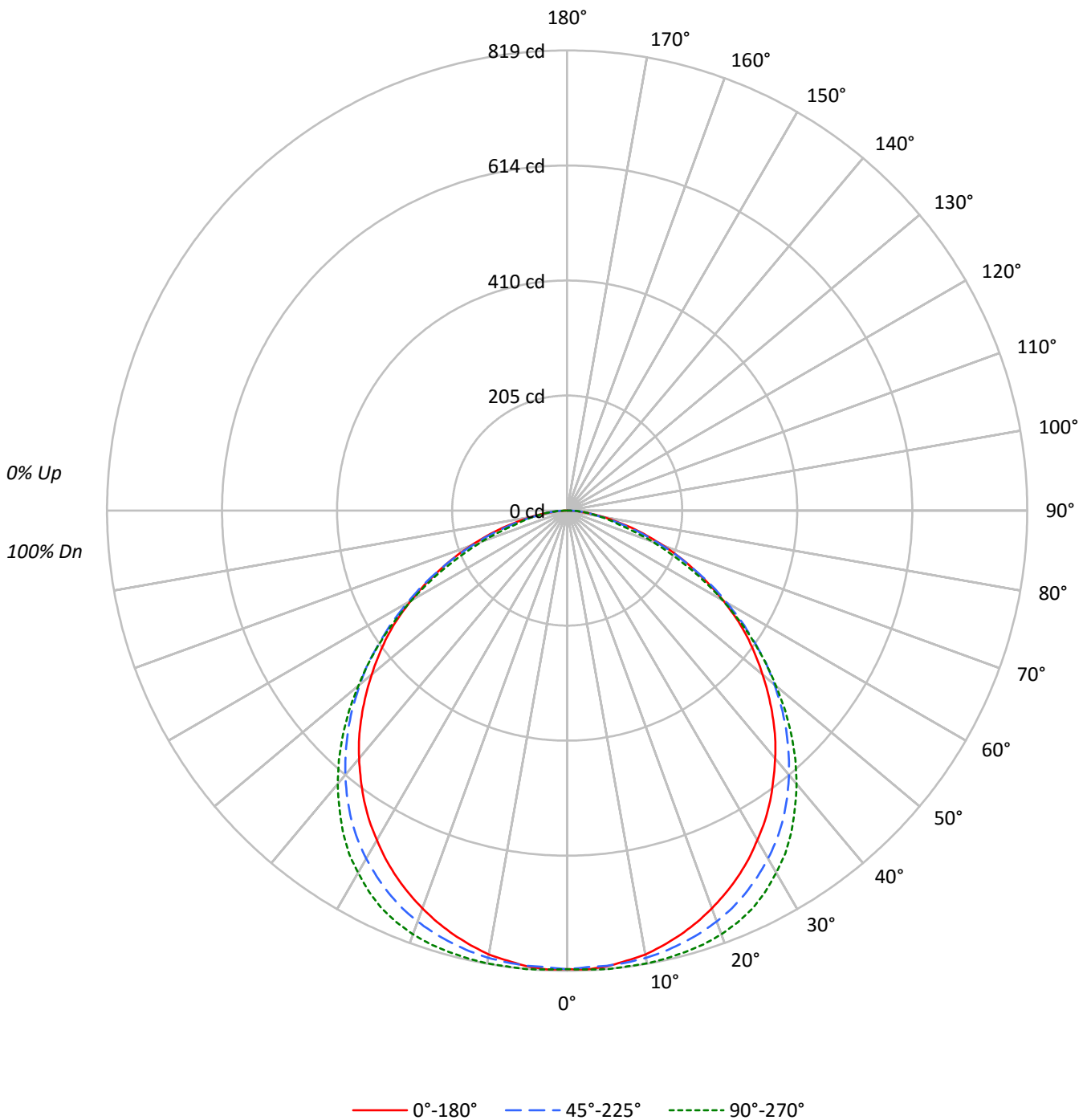
Input Watts (W): 24.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297656

CATALOG NUMBER: D3X-WD-26L92765-LD5-UNV-14-T1-W2A-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P297656

CATALOG NUMBER: D3X-WD-26L92765-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	96	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	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2197	2197	2197
5°	2200	2197	2213
10°	2192	2209	2236
15°	2177	2218	2266
20°	2157	2229	2298
25°	2135	2231	2320
30°	2104	2222	2313
35°	2070	2202	2287
40°	2024	2158	2231
45°	1968	2098	2147
50°	1901	2015	2031
55°	1835	1905	1896
60°	1728	1766	1723
65°	1592	1599	1510
70°	1425	1393	1268
75°	1237	1154	977
80°	992	899	899
85°	710	834	865



TEST NUMBER: P297656

CATALOG NUMBER: D3X-WD-26L92765-LD5-UNV-14-T1-W2A-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	3.5
10°-20°	225.3	10.1
20°-30°	346.0	15.4
30°-40°	416.7	18.6
40°-50°	421.1	18.8
50°-60°	359.2	16.0
60°-70°	245.9	11.0
70°-80°	118.6	5.3
80°-90°	30.6	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°	649.0	29.0
0°-40°	1065.6	47.6
0°-60°	1845.9	82.4
0°-90°	2241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2241.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	816	816	816	816	816	
5°	814	814	813	818	819	77
15°	781	787	796	810	813	220
25°	719	730	751	773	781	331
35°	630	644	670	691	696	394
45°	517	531	551	564	564	399
55°	391	398	406	408	404	348
65°	250	253	251	242	237	248
75°	119	119	111	98	94	126
85°	23	25	27	28	28	28
90°	0	0	0	0	0	



TEST NUMBER: P297656

CATALOG NUMBER: D3X-WD-26L92765-LD5-UNV-14-T1-W2A-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	816.3	816.3	816.3	816.3	816.3
2.5°	817.3	816.3	813.3	817.3	817.3
5°	814.3	814.3	813.3	818.3	819.3
7.5°	808.3	810.3	811.3	817.3	818.3
10°	802.3	804.3	808.3	816.3	818.3
12.5°	792.3	796.3	803.3	814.3	816.3
15°	781.3	787.3	796.3	810.3	813.3
17.5°	768.3	776.3	788.3	804.3	809.3
20°	753.3	762.3	778.3	796.3	802.3
22.5°	737.2	747.3	766.3	787.3	793.3
25°	719.2	730.2	751.3	773.3	781.3
27.5°	699.2	711.2	734.2	757.3	764.3
30°	677.2	690.2	715.2	738.2	744.3
32.5°	655.2	668.2	694.2	716.2	723.2
35°	630.2	644.2	670.2	691.2	696.2
37.5°	603.2	617.2	643.2	664.2	666.2
40°	576.2	590.2	614.2	633.2	635.2
42.5°	548.2	561.2	583.2	599.2	601.2
45°	517.2	531.2	551.2	564.2	564.2
47.5°	486.2	500.2	517.2	526.2	526.2
50°	454.2	467.2	481.2	486.2	485.2
52.5°	422.1	434.1	446.2	447.2	445.2
55°	391.1	398.1	406.1	408.1	404.1
57.5°	357.1	363.1	368.1	365.1	362.1
60°	321.1	327.1	328.1	323.1	320.1
62.5°	286.1	291.1	291.1	283.1	278.1
65°	250.1	253.1	251.1	242.1	237.1
67.5°	216.1	218.1	214.1	205.1	197.1
70°	181.1	182.1	177.1	166.1	161.1
72.5°	149.1	150.1	144.0	131.0	125.0
75°	119.0	119.0	111.0	98.0	94.0
77.5°	89.0	92.0	83.0	76.0	76.0
80°	64.0	67.0	58.0	59.0	58.0
82.5°	42.0	45.0	42.0	42.0	42.0
85°	23.0	25.0	27.0	28.0	28.0
87.5°	7.0	12.0	13.0	14.0	16.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)