

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: P297798

Luminaire Tested: **D3X-WG-26L92765-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297798
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-26L92765-LD5-UNV-14-T1-W2A-5000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2341.0 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

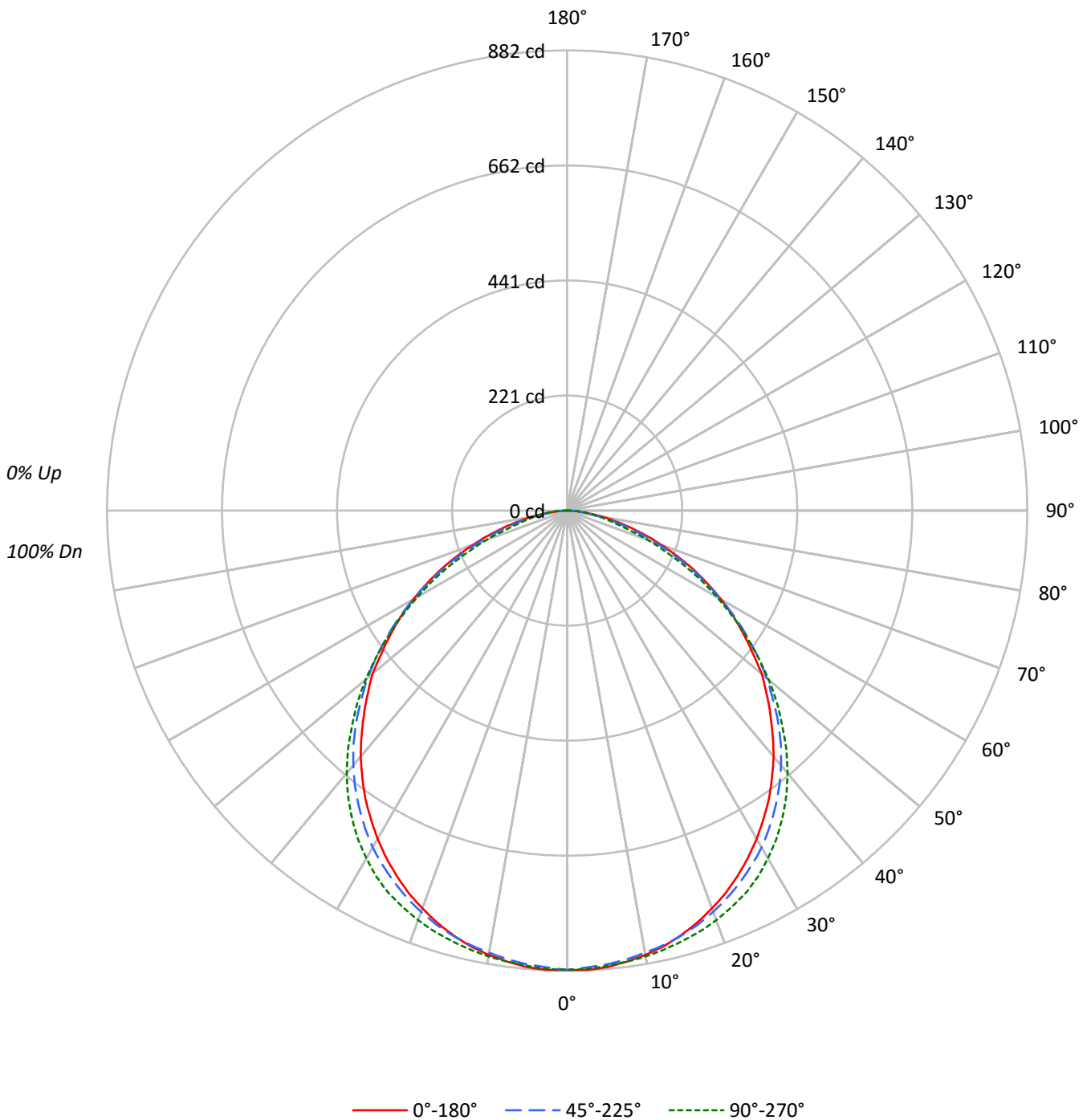
Input Watts (W): 24.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297798

CATALOG NUMBER: D3X-WG-26L92765-LD5-UNV-14-T1-W2A-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P297798

CATALOG NUMBER: D3X-WG-26L92765-LD5-UNV-14-T1-W2A-5000K

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	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	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	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2369	2369	2369
5°	2373	2358	2367
10°	2363	2351	2371
15°	2348	2351	2380
20°	2323	2344	2392
25°	2294	2331	2403
30°	2257	2316	2391
35°	2215	2283	2363
40°	2162	2239	2309
45°	2095	2175	2219
50°	2038	2091	2112
55°	1935	1974	1964
60°	1831	1831	1780
65°	1699	1660	1566
70°	1507	1441	1301
75°	1306	1186	1001
80°	1071	925	908
85°	710	840	905



TEST NUMBER: P297798

CATALOG NUMBER: D3X-WG-26L92765-LD5-UNV-14-T1-W2A-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.2	3.6
10°-20°	238.9	10.2
20°-30°	363.2	15.5
30°-40°	434.8	18.6
40°-50°	438.6	18.7
50°-60°	373.6	16.0
60°-70°	255.4	10.9
70°-80°	122.3	5.2
80°-90°	31.0	1.3
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°	685.3	29.3
0°-40°	1120.1	47.8
0°-60°	1932.3	82.5
0°-90°	2341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2341.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	880	880	880	880	880	
5°	878	877	873	877	876	83
15°	843	841	844	853	854	238
25°	773	774	785	803	809	356
35°	674	676	695	715	719	421
45°	551	555	572	583	583	425
55°	412	415	421	422	419	369
65°	267	262	261	251	246	263
75°	126	124	114	100	96	134
85°	23	25	27	28	29	30
90°	0	0	0	0	0	



TEST NUMBER: P297798

CATALOG NUMBER: D3X-WG-26L92765-LD5-UNV-14-T1-W2A-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	880.4	880.4	880.4	880.4	880.4
2.5°	881.5	880.4	876.2	880.4	879.4
5°	878.3	877.3	873.1	877.3	876.2
7.5°	872.0	871.0	867.8	872.0	872.0
10°	864.7	862.6	860.5	866.8	867.8
12.5°	855.3	853.2	853.2	860.5	861.6
15°	842.7	840.6	843.8	853.2	854.2
17.5°	828.1	827.0	832.3	843.8	845.9
20°	811.3	810.3	818.6	832.3	835.4
22.5°	793.5	793.5	802.9	818.6	822.8
25°	772.6	773.6	785.1	802.9	809.2
27.5°	750.6	752.7	766.3	786.2	791.4
30°	726.5	729.7	745.4	764.2	769.4
32.5°	700.3	703.5	721.3	741.2	746.4
35°	674.2	676.3	695.1	715.0	719.2
37.5°	644.9	648.0	667.9	685.7	689.9
40°	615.6	618.7	637.5	654.3	657.4
42.5°	583.1	587.3	606.1	619.7	621.8
45°	550.6	554.8	571.6	583.1	583.1
47.5°	518.2	520.3	534.9	546.5	545.4
50°	486.8	485.7	499.4	504.6	504.6
52.5°	448.1	451.2	460.6	463.8	460.6
55°	412.5	414.6	420.8	421.9	418.7
57.5°	377.9	376.9	382.1	379.0	374.8
60°	340.2	340.2	340.2	337.1	330.8
62.5°	303.6	301.5	300.4	293.1	290.0
65°	266.9	261.7	260.7	251.2	246.0
67.5°	228.2	226.1	220.9	211.5	202.0
70°	191.6	189.5	183.2	171.7	165.4
72.5°	158.1	156.0	147.6	134.0	125.6
75°	125.6	123.5	114.1	99.5	96.3
77.5°	95.3	94.2	84.8	77.5	76.4
80°	69.1	68.0	59.7	59.7	58.6
82.5°	44.0	44.0	41.9	42.9	44.0
85°	23.0	25.1	27.2	28.3	29.3
87.5°	7.3	11.5	13.6	14.7	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)