

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: P297793

Luminaire Tested: **D3X-WG-26L92765-LD5-UNV-14-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297793
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-2700K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1985.0 lumens
Efficiency: N/A
Efficacy: 83.8 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

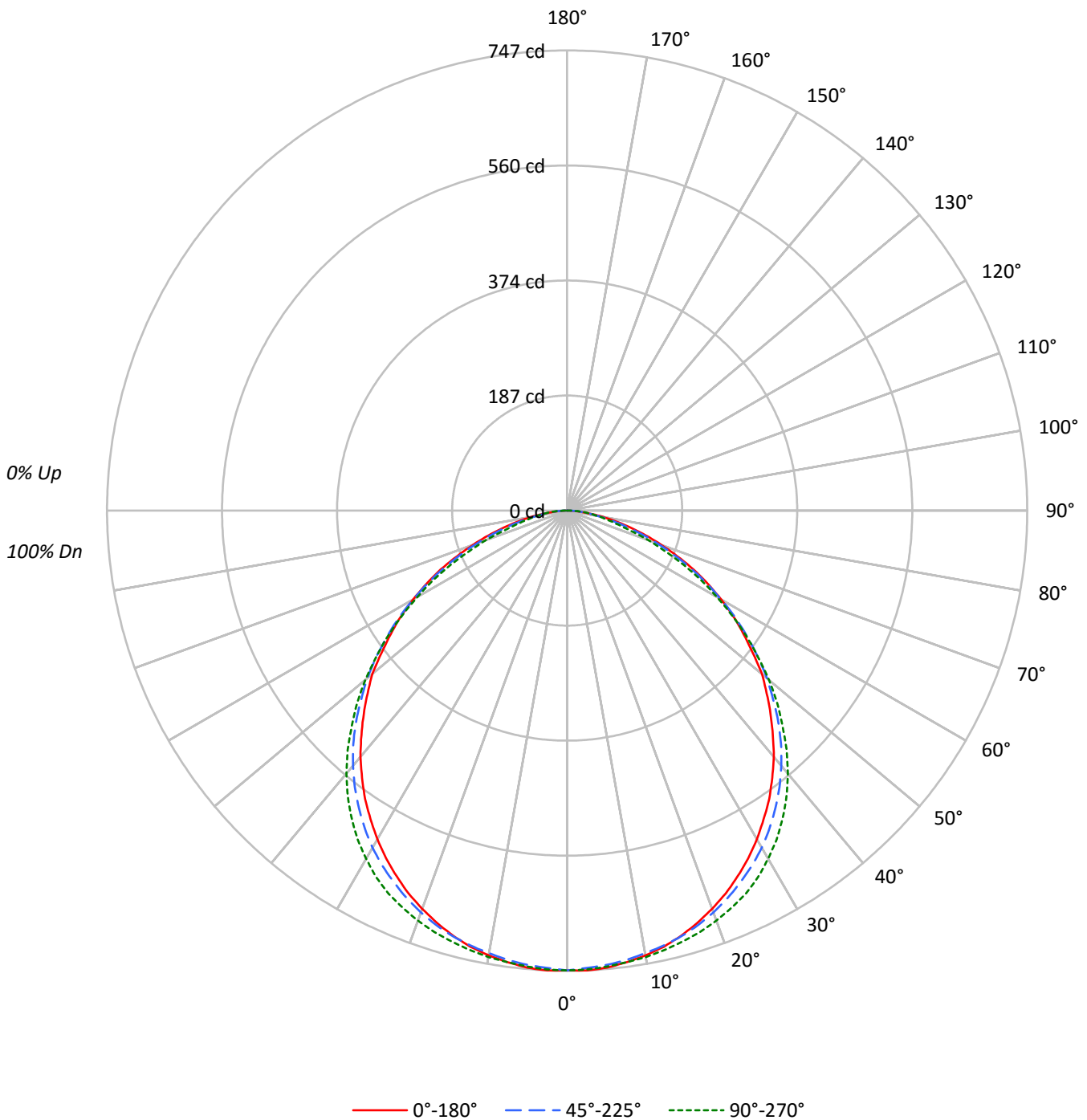
Input Watts (W): 23.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297793

CATALOG NUMBER: D3X-WG-26L92765-LD5-UNV-14-T1-W2A-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P297793

CATALOG NUMBER: D3X-WG-26L92765-LD5-UNV-14-T1-W2A-2700K

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°	2009	2009	2009
5°	2012	2000	2007
10°	2003	1994	2011
15°	1991	1993	2018
20°	1970	1988	2029
25°	1945	1977	2037
30°	1914	1964	2027
35°	1878	1936	2003
40°	1833	1899	1958
45°	1777	1845	1881
50°	1728	1773	1791
55°	1641	1674	1666
60°	1553	1553	1510
65°	1442	1407	1328
70°	1278	1222	1104
75°	1107	1006	849
80°	908	784	770
85°	602	713	769



TEST NUMBER: P297793

CATALOG NUMBER: D3X-WG-26L92765-LD5-UNV-14-T1-W2A-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	3.6
10°-20°	202.6	10.2
20°-30°	307.9	15.5
30°-40°	368.7	18.6
40°-50°	371.9	18.7
50°-60°	316.8	16.0
60°-70°	216.6	10.9
70°-80°	103.7	5.2
80°-90°	26.3	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°	581.1	29.3
0°-40°	949.8	47.8
0°-60°	1638.4	82.5
0°-90°	1985.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1985.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	746	746	746	746	746	
5°	745	744	740	744	743	71
15°	715	713	716	723	724	201
25°	655	656	666	681	686	302
35°	572	573	589	606	610	357
45°	467	470	485	494	494	361
55°	350	352	357	358	355	313
65°	226	222	221	213	209	223
75°	106	105	97	84	82	114
85°	20	21	23	24	25	25
90°	0	0	0	0	0	



TEST NUMBER: P297793

CATALOG NUMBER: D3X-WG-26L92765-LD5-UNV-14-T1-W2A-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	746.5	746.5	746.5	746.5	746.5
2.5°	747.4	746.5	743.0	746.5	745.6
5°	744.7	743.9	740.3	743.9	743.0
7.5°	739.4	738.5	735.9	739.4	739.4
10°	733.2	731.4	729.7	735.0	735.9
12.5°	725.2	723.4	723.4	729.7	730.5
15°	714.6	712.8	715.5	723.4	724.3
17.5°	702.1	701.3	705.7	715.5	717.2
20°	687.9	687.0	694.1	705.7	708.4
22.5°	672.8	672.8	680.8	694.1	697.7
25°	655.1	656.0	665.7	680.8	686.2
27.5°	636.5	638.2	649.8	666.6	671.1
30°	616.0	618.7	632.0	648.0	652.4
32.5°	593.8	596.5	611.6	628.5	632.9
35°	571.7	573.4	589.4	606.3	609.8
37.5°	546.8	549.5	566.3	581.4	585.0
40°	521.9	524.6	540.6	554.8	557.5
42.5°	494.4	498.0	514.0	525.5	527.3
45°	466.9	470.5	484.7	494.4	494.4
47.5°	439.4	441.2	453.6	463.4	462.5
50°	412.8	411.9	423.4	427.9	427.9
52.5°	379.9	382.6	390.6	393.2	390.6
55°	349.7	351.5	356.8	357.7	355.1
57.5°	320.4	319.6	324.0	321.3	317.8
60°	288.5	288.5	288.5	285.8	280.5
62.5°	257.4	255.6	254.8	248.5	245.9
65°	226.4	221.9	221.0	213.0	208.6
67.5°	193.5	191.7	187.3	179.3	171.3
70°	162.4	160.7	155.3	145.6	140.3
72.5°	134.0	132.3	125.2	113.6	106.5
75°	106.5	104.7	96.8	84.3	81.7
77.5°	80.8	79.9	71.9	65.7	64.8
80°	58.6	57.7	50.6	50.6	49.7
82.5°	37.3	37.3	35.5	36.4	37.3
85°	19.5	21.3	23.1	24.0	24.9
87.5°	6.2	9.8	11.5	12.4	11.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)