

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: P298428

Luminaire Tested: **D3X-WO-25L92765-LD5-UNV-22-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-25L92765-LD5-UNV-22-T1-W2A-2700K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1932.0 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

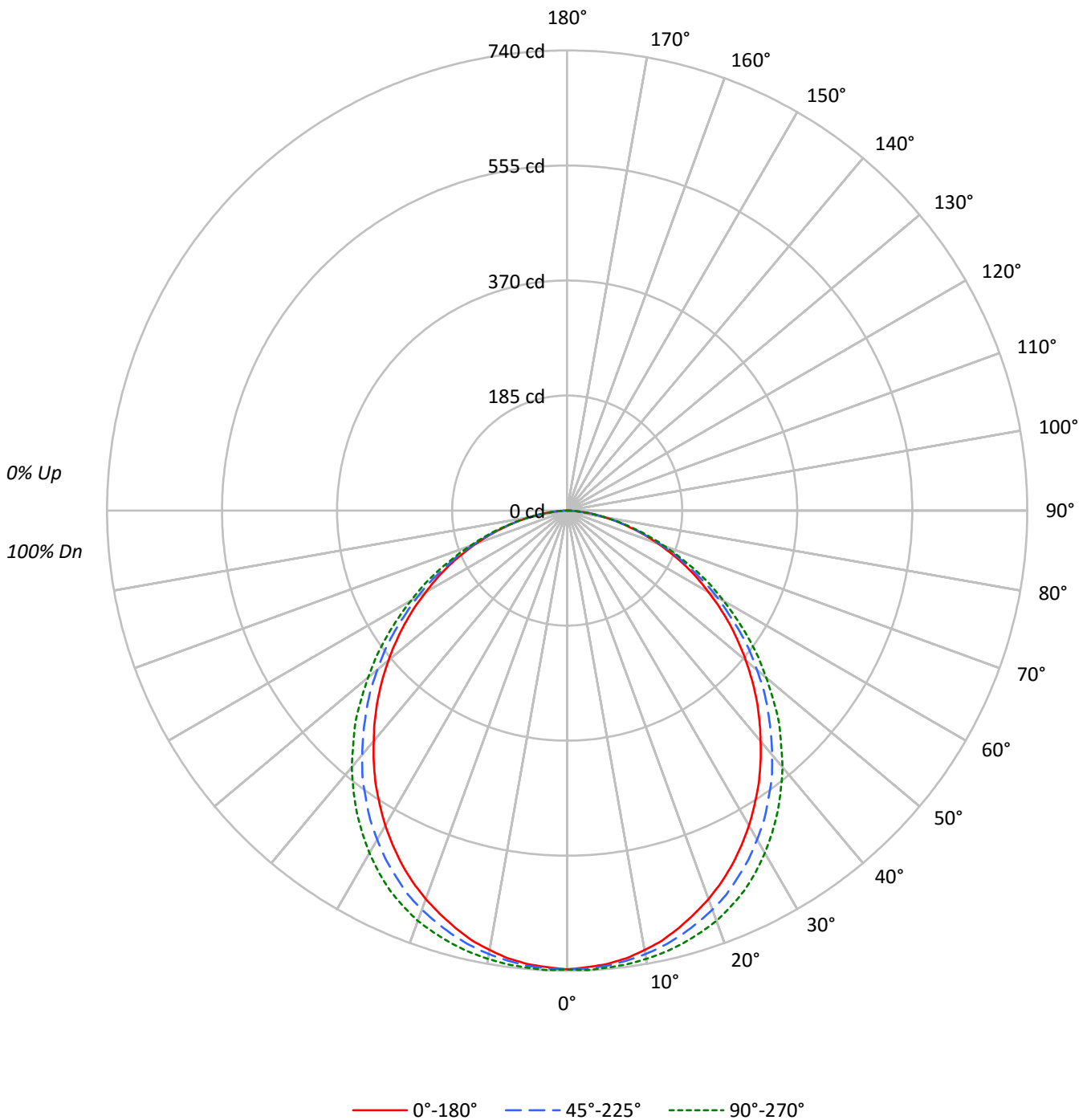
Input Watts (W): 18.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	31	43	35	30	41	35	30	40	34	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°	1985	1985	1985
5°	1977	1985	1993
10°	1961	1979	2000
15°	1935	1970	2007
20°	1903	1956	2011
25°	1865	1931	2002
30°	1817	1898	1976
35°	1763	1855	1940
40°	1700	1801	1892
45°	1640	1739	1834
50°	1571	1667	1748
55°	1498	1589	1666
60°	1413	1496	1563
65°	1335	1384	1452
70°	1226	1264	1309
75°	1091	1120	1150
80°	939	924	924
85°	713	655	593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	3.6
10°-20°	199.5	10.3
20°-30°	299.5	15.5
30°-40°	352.5	18.2
40°-50°	351.6	18.2
50°-60°	301.7	15.6
60°-70°	216.1	11.2
70°-80°	114.4	5.9
80°-90°	26.8	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°	568.8	29.4
0°-40°	921.3	47.7
0°-60°	1574.7	81.5
0°-90°	1932.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1932.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	738	738	738	738	738	
5°	732	732	735	737	738	69
15°	694	697	707	717	720	196
25°	628	634	650	667	674	289
35°	537	544	565	584	591	335
45°	431	438	457	473	482	332
55°	319	324	339	350	355	285
65°	210	211	217	226	228	207
75°	105	105	108	110	111	112
85°	23	22	21	19	19	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	737.8	737.8	737.8	737.8	737.8
2.5°	734.9	734.9	736.9	738.8	739.7
5°	732.0	732.0	734.9	736.9	737.8
7.5°	726.3	726.3	730.1	734.0	735.9
10°	717.6	719.5	724.3	730.1	732.0
12.5°	708.0	709.9	716.7	724.3	727.2
15°	694.5	697.4	707.0	716.7	720.5
17.5°	680.1	683.9	695.5	707.0	711.8
20°	664.7	668.6	683.0	696.4	702.2
22.5°	647.4	652.2	668.6	683.0	688.8
25°	628.2	633.9	650.3	666.6	674.3
27.5°	607.0	613.7	632.0	649.3	656.0
30°	584.9	592.6	610.8	629.1	635.8
32.5°	560.8	567.5	589.7	607.0	613.7
35°	536.8	543.5	564.7	583.9	590.6
37.5°	510.8	519.5	540.6	557.9	564.7
40°	483.9	492.5	512.7	532.9	538.7
42.5°	457.9	465.6	484.8	503.1	508.9
45°	431.0	437.7	456.9	473.3	481.9
47.5°	403.1	409.8	429.0	444.4	449.2
50°	375.2	381.9	398.2	411.7	417.5
52.5°	347.3	354.0	369.4	381.9	387.7
55°	319.4	324.2	338.6	350.1	355.0
57.5°	291.5	295.3	306.9	319.4	322.3
60°	262.6	267.4	278.0	286.7	290.5
62.5°	236.6	238.6	248.2	255.9	260.7
65°	209.7	210.7	217.4	226.1	228.0
67.5°	181.8	182.8	189.5	194.3	196.2
70°	155.8	155.8	160.6	164.5	166.4
72.5°	130.8	129.9	132.7	136.6	138.5
75°	104.9	104.9	107.7	109.7	110.6
77.5°	82.7	80.8	82.7	84.7	84.7
80°	60.6	59.6	59.6	60.6	59.6
82.5°	41.4	40.4	41.4	39.4	38.5
85°	23.1	22.1	21.2	19.2	19.2
87.5°	7.7	6.7	6.7	7.7	7.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)