

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: P298097

Luminaire Tested: **D3X-WD-25L92765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-25L92765-LD5-UNV-22-T1-W2A-5000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2108.0 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

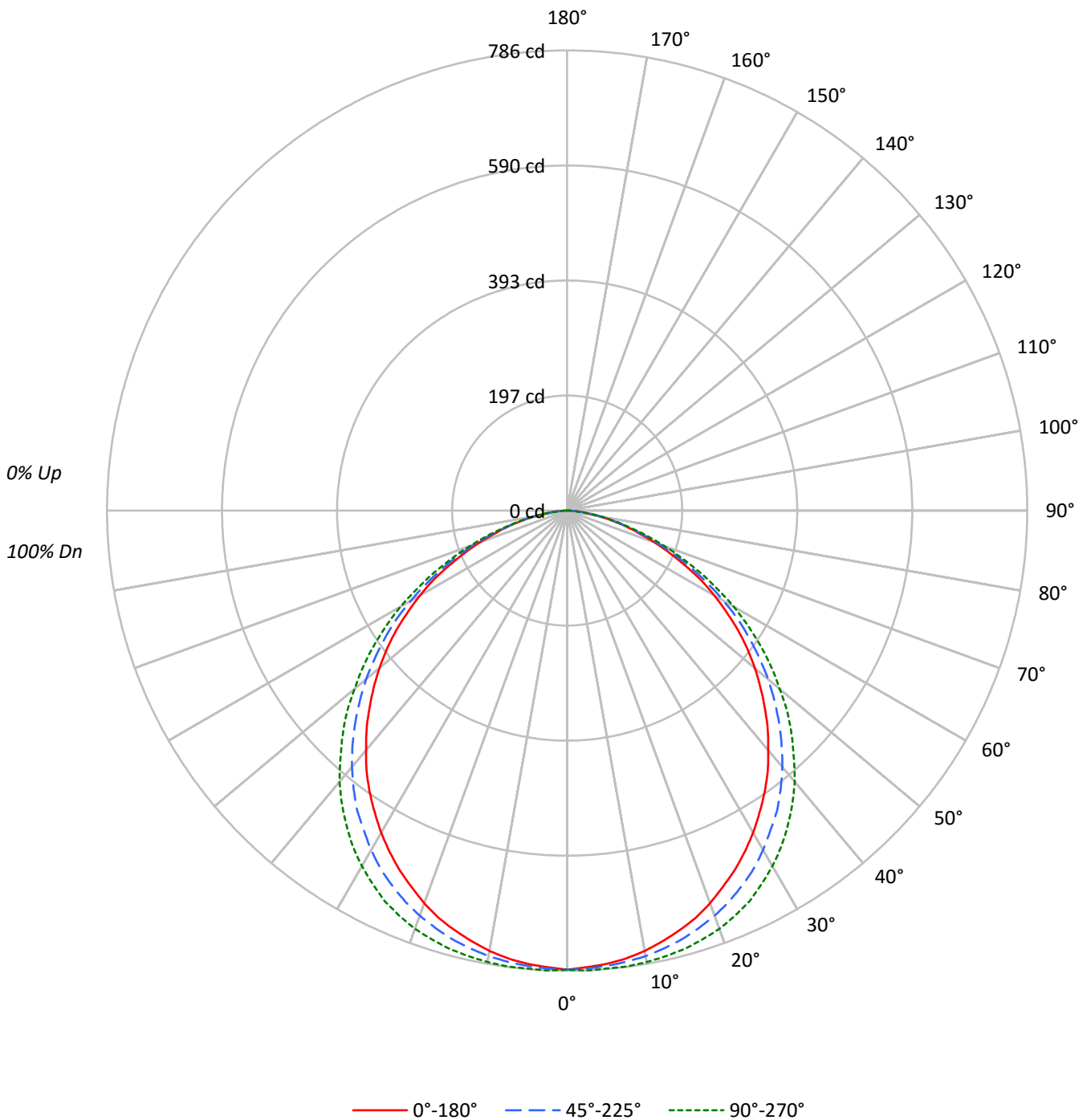
Input Watts (W): 19.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2110	2110	2110
5°	2099	2109	2121
10°	2087	2111	2139
15°	2067	2112	2159
20°	2044	2109	2177
25°	2011	2099	2186
30°	1974	2080	2179
35°	1931	2054	2158
40°	1877	2009	2125
45°	1818	1947	2064
50°	1753	1876	1986
55°	1672	1783	1895
60°	1563	1661	1771
65°	1416	1503	1597
70°	1250	1312	1384
75°	1074	1097	1145
80°	862	879	897
85°	630	562	562



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	3.5
10°-20°	214.0	10.2
20°-30°	325.5	15.4
30°-40°	389.5	18.5
40°-50°	393.8	18.7
50°-60°	338.9	16.1
60°-70°	234.0	11.1
70°-80°	113.4	5.4
80°-90°	24.6	1.2
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°	613.9	29.1
0°-40°	1003.4	47.6
0°-60°	1736.0	82.4
0°-90°	2108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2108.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	784	784	784	784	784	
5°	777	778	781	784	785	74
15°	742	747	758	769	775	209
25°	677	685	707	728	736	312
35°	588	598	625	648	657	367
45°	478	487	512	533	542	368
55°	356	362	380	397	404	318
65°	222	226	236	246	251	221
75°	103	101	106	109	110	110
85°	20	20	18	18	18	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	784.1	784.1	784.1	784.1	784.1
2.5°	780.6	780.6	782.9	785.2	786.3
5°	777.2	778.4	780.6	784.1	785.2
7.5°	771.6	772.7	777.2	782.9	785.2
10°	763.6	765.9	772.7	779.5	782.9
12.5°	753.4	758.0	765.9	775.0	779.5
15°	742.1	746.6	758.0	769.3	775.0
17.5°	729.6	734.1	747.7	762.5	768.2
20°	713.7	720.5	736.4	753.4	760.2
22.5°	695.5	704.6	722.8	740.9	748.9
25°	677.4	685.3	706.9	728.5	736.4
27.5°	657.0	666.0	689.9	711.4	719.4
30°	635.4	644.5	669.5	693.3	701.2
32.5°	611.6	622.9	646.8	671.7	680.8
35°	587.8	598.0	625.2	647.9	657.0
37.5°	562.8	571.9	599.1	622.9	632.0
40°	534.4	544.6	571.9	595.7	604.8
42.5°	507.2	517.4	542.4	565.1	573.0
45°	477.7	486.8	511.7	533.3	542.4
47.5°	448.2	458.4	480.0	501.5	510.6
50°	418.7	426.6	448.2	468.6	474.3
52.5°	388.1	394.9	414.2	432.3	440.2
55°	356.3	362.0	380.1	397.1	403.9
57.5°	322.2	329.1	346.1	358.6	366.5
60°	290.5	293.9	308.6	321.1	329.1
62.5°	258.7	259.8	271.2	283.7	288.2
65°	222.4	225.8	236.0	246.2	250.8
67.5°	189.5	192.9	200.8	208.8	212.2
70°	158.9	158.9	166.8	172.5	175.9
72.5°	128.2	129.4	135.0	138.4	141.8
75°	103.3	101.0	105.5	108.9	110.1
77.5°	77.2	76.0	79.4	80.6	82.8
80°	55.6	55.6	56.7	57.9	57.9
82.5°	36.3	36.3	37.4	35.2	34.0
85°	20.4	20.4	18.2	18.2	18.2
87.5°	6.8	6.8	6.8	7.9	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)