

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: P298096

Luminaire Tested: **D3X-WD-25L92765-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298096
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-4500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2067.0 lumens
Efficiency: N/A
Efficacy: 107.1 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

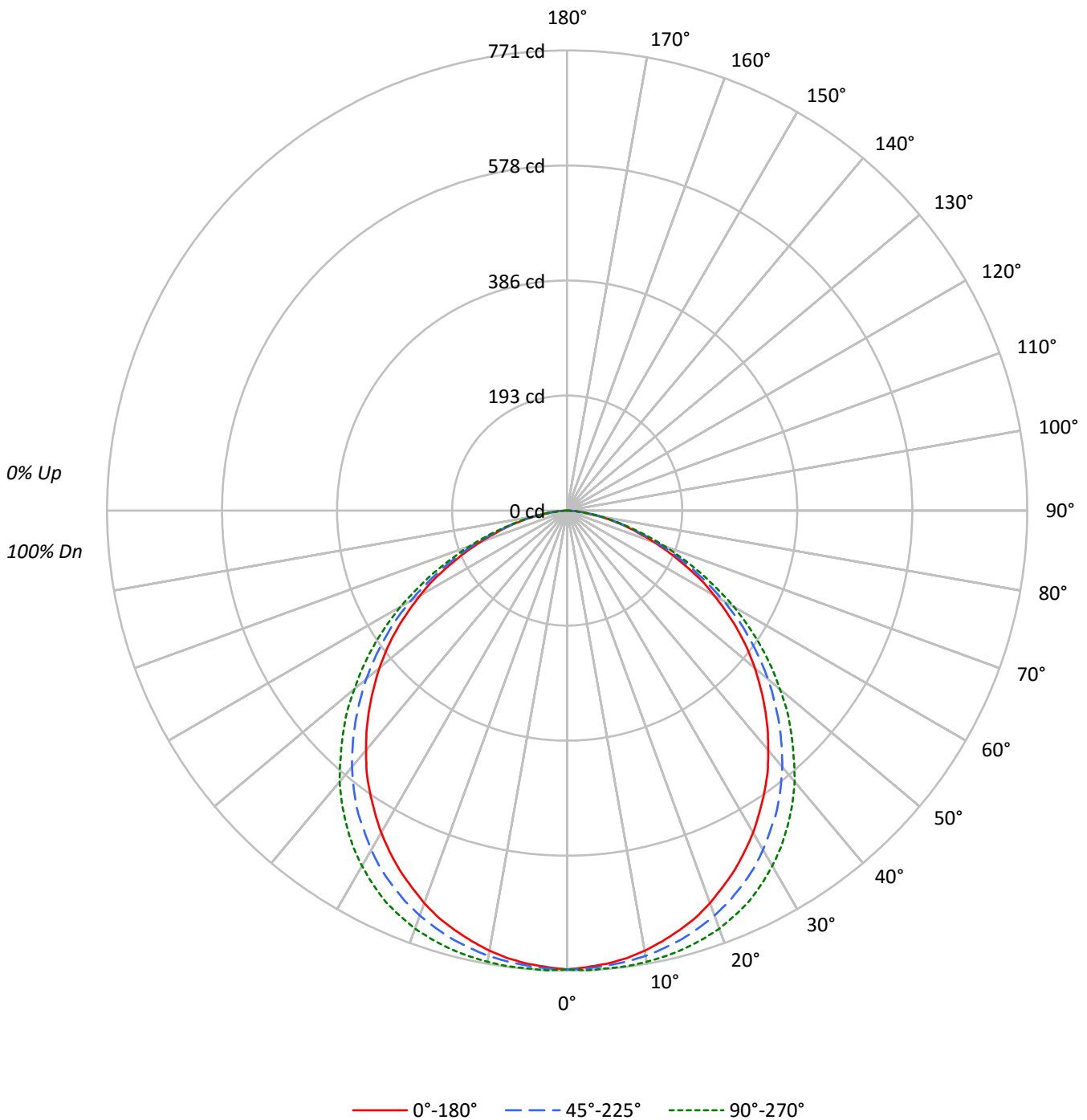
Input Watts (W): 19.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2069	2069	2069
5°	2059	2068	2080
10°	2046	2070	2098
15°	2027	2070	2117
20°	2004	2068	2135
25°	1972	2058	2144
30°	1936	2040	2137
35°	1893	2014	2116
40°	1841	1970	2083
45°	1783	1910	2024
50°	1719	1840	1947
55°	1639	1749	1858
60°	1533	1629	1737
65°	1389	1473	1566
70°	1226	1287	1357
75°	1052	1076	1122
80°	845	862	879
85°	618	550	550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	3.5
10°-20°	209.9	10.2
20°-30°	319.2	15.4
30°-40°	381.9	18.5
40°-50°	386.1	18.7
50°-60°	332.3	16.1
60°-70°	229.4	11.1
70°-80°	111.2	5.4
80°-90°	24.1	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°	601.9	29.1
0°-40°	983.9	47.6
0°-60°	1702.2	82.4
0°-90°	2067.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2067.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	769	769	769	769	769	
5°	762	763	766	769	770	72
15°	728	732	743	754	760	205
25°	664	672	693	714	722	306
35°	576	586	613	635	644	360
45°	468	477	502	523	532	361
55°	349	355	373	389	396	311
65°	218	221	231	241	246	217
75°	101	99	104	107	108	107
85°	20	20	18	18	18	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	768.8	768.8	768.8	768.8	768.8
2.5°	765.5	765.5	767.7	769.9	771.0
5°	762.1	763.2	765.5	768.8	769.9
7.5°	756.6	757.7	762.1	767.7	769.9
10°	748.8	751.0	757.7	764.4	767.7
12.5°	738.8	743.2	751.0	759.9	764.4
15°	727.6	732.1	743.2	754.3	759.9
17.5°	715.4	719.8	733.2	747.7	753.2
20°	699.8	706.5	722.1	738.8	745.4
22.5°	682.0	690.9	708.7	726.5	734.3
25°	664.2	672.0	693.1	714.3	722.1
27.5°	644.2	653.1	676.5	697.6	705.4
30°	623.1	632.0	656.4	679.8	687.6
32.5°	599.7	610.8	634.2	658.7	667.6
35°	576.3	586.3	613.0	635.3	644.2
37.5°	551.8	560.7	587.4	610.8	619.7
40°	524.0	534.0	560.7	584.1	593.0
42.5°	497.3	507.3	531.8	554.1	561.9
45°	468.4	477.3	501.8	522.9	531.8
47.5°	439.5	449.5	470.6	491.8	500.7
50°	410.5	418.3	439.5	459.5	465.1
52.5°	380.5	387.2	406.1	423.9	431.7
55°	349.4	354.9	372.7	389.4	396.1
57.5°	316.0	322.7	339.3	351.6	359.4
60°	284.8	288.2	302.6	314.9	322.7
62.5°	253.7	254.8	265.9	278.1	282.6
65°	218.1	221.4	231.4	241.4	245.9
67.5°	185.8	189.1	196.9	204.7	208.1
70°	155.8	155.8	163.6	169.1	172.5
72.5°	125.7	126.8	132.4	135.7	139.1
75°	101.2	99.0	103.5	106.8	107.9
77.5°	75.7	74.5	77.9	79.0	81.2
80°	54.5	54.5	55.6	56.7	56.7
82.5°	35.6	35.6	36.7	34.5	33.4
85°	20.0	20.0	17.8	17.8	17.8
87.5°	6.7	6.7	6.7	7.8	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)