

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: P298098

Luminaire Tested: **D3X-WD-25L92765-LD5-UNV-22-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298098
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-5500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2141.0 lumens
Efficiency: N/A
Efficacy: 110.4 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

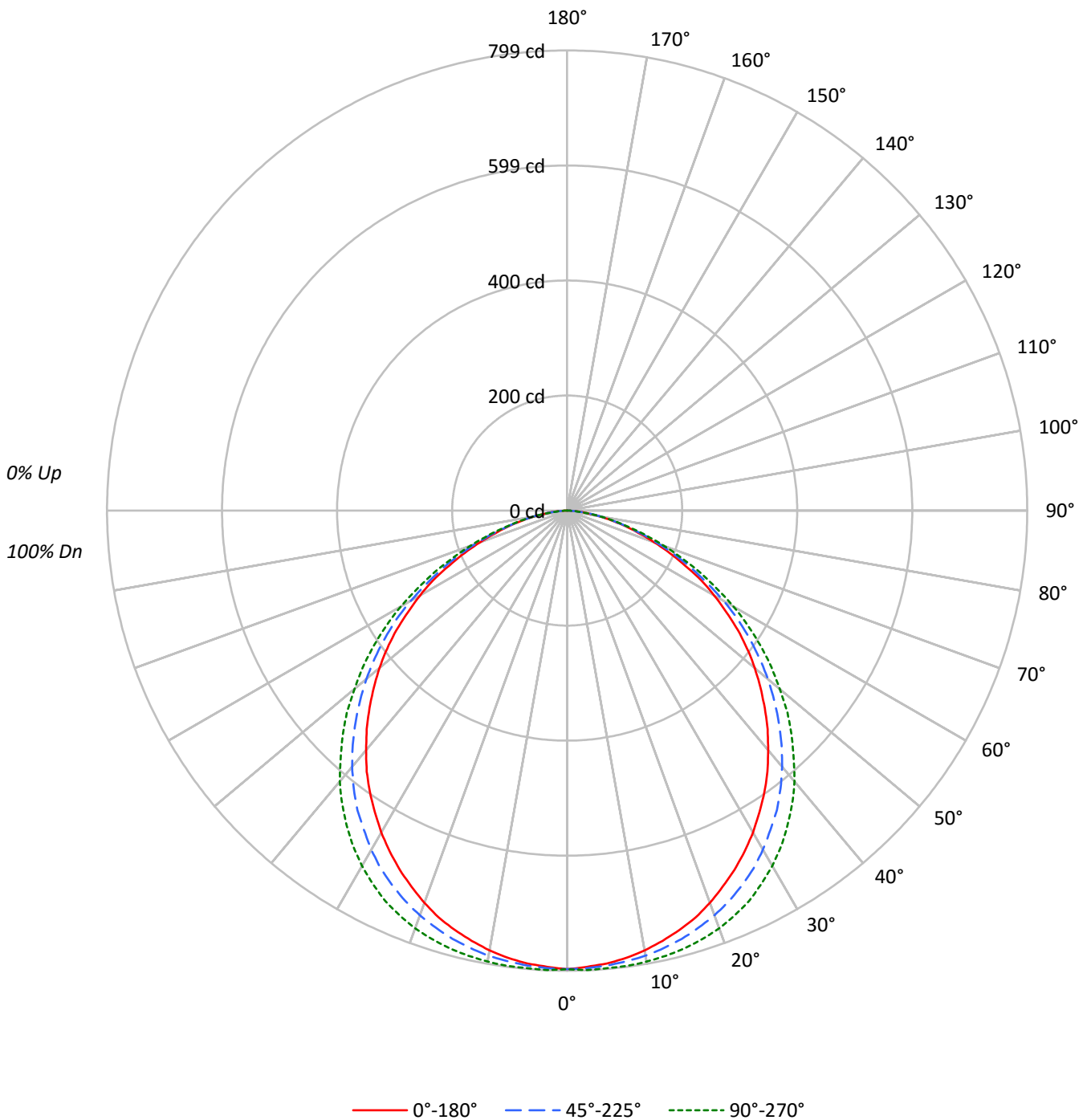
Input Watts (W): 19.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2143	2143	2143
5°	2132	2142	2154
10°	2119	2144	2173
15°	2100	2145	2193
20°	2076	2142	2211
25°	2043	2132	2221
30°	2005	2113	2213
35°	1961	2086	2192
40°	1907	2040	2158
45°	1846	1978	2097
50°	1780	1906	2017
55°	1698	1811	1925
60°	1588	1687	1799
65°	1438	1526	1622
70°	1269	1333	1405
75°	1091	1115	1162
80°	876	893	911
85°	639	568	568



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	3.5
10°-20°	217.4	10.2
20°-30°	330.7	15.4
30°-40°	395.6	18.5
40°-50°	399.9	18.7
50°-60°	344.2	16.1
60°-70°	237.6	11.1
70°-80°	115.2	5.4
80°-90°	25.0	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°	623.5	29.1
0°-40°	1019.1	47.6
0°-60°	1763.2	82.4
0°-90°	2141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2141.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	796	796	796	796	796	
5°	789	791	793	796	798	75
15°	754	758	770	781	787	213
25°	688	696	718	740	748	317
35°	597	607	635	658	667	373
45°	485	494	520	542	551	374
55°	362	368	386	403	410	323
65°	226	229	240	250	255	225
75°	105	103	107	111	112	111
85°	21	21	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°	796.3	796.3	796.3	796.3	796.3
2.5°	792.9	792.9	795.2	797.5	798.6
5°	789.4	790.6	792.9	796.3	797.5
7.5°	783.6	784.8	789.4	795.2	797.5
10°	775.6	777.9	784.8	791.7	795.2
12.5°	765.2	769.8	777.9	787.1	791.7
15°	753.7	758.3	769.8	781.3	787.1
17.5°	741.0	745.6	759.4	774.4	780.2
20°	724.9	731.8	747.9	765.2	772.1
22.5°	706.4	715.7	734.1	752.5	760.6
25°	688.0	696.1	718.0	739.9	747.9
27.5°	667.3	676.5	700.7	722.6	730.6
30°	645.4	654.6	679.9	704.1	712.2
32.5°	621.2	632.7	656.9	682.2	691.5
35°	597.0	607.3	635.0	658.0	667.3
37.5°	571.6	580.8	608.5	632.7	641.9
40°	542.8	553.2	580.8	605.0	614.2
42.5°	515.1	525.5	550.9	573.9	582.0
45°	485.2	494.4	519.7	541.6	550.9
47.5°	455.2	465.6	487.5	509.4	518.6
50°	425.2	433.3	455.2	476.0	481.7
52.5°	394.1	401.0	420.6	439.1	447.1
55°	361.9	367.6	386.1	403.3	410.3
57.5°	327.3	334.2	351.5	364.2	372.2
60°	295.0	298.5	313.5	326.1	334.2
62.5°	262.8	263.9	275.4	288.1	292.7
65°	225.9	229.3	239.7	250.1	254.7
67.5°	192.5	195.9	204.0	212.0	215.5
70°	161.3	161.3	169.4	175.2	178.6
72.5°	130.2	131.4	137.1	140.6	144.1
75°	104.9	102.6	107.2	110.6	111.8
77.5°	78.4	77.2	80.7	81.8	84.1
80°	56.5	56.5	57.6	58.8	58.8
82.5°	36.9	36.9	38.0	35.7	34.6
85°	20.7	20.7	18.4	18.4	18.4
87.5°	6.9	6.9	6.9	8.1	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)