

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: P298100

Luminaire Tested: **D3X-WD-25L92765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298100
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-6500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2165.0 lumens
Efficiency: N/A
Efficacy: 109.3 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

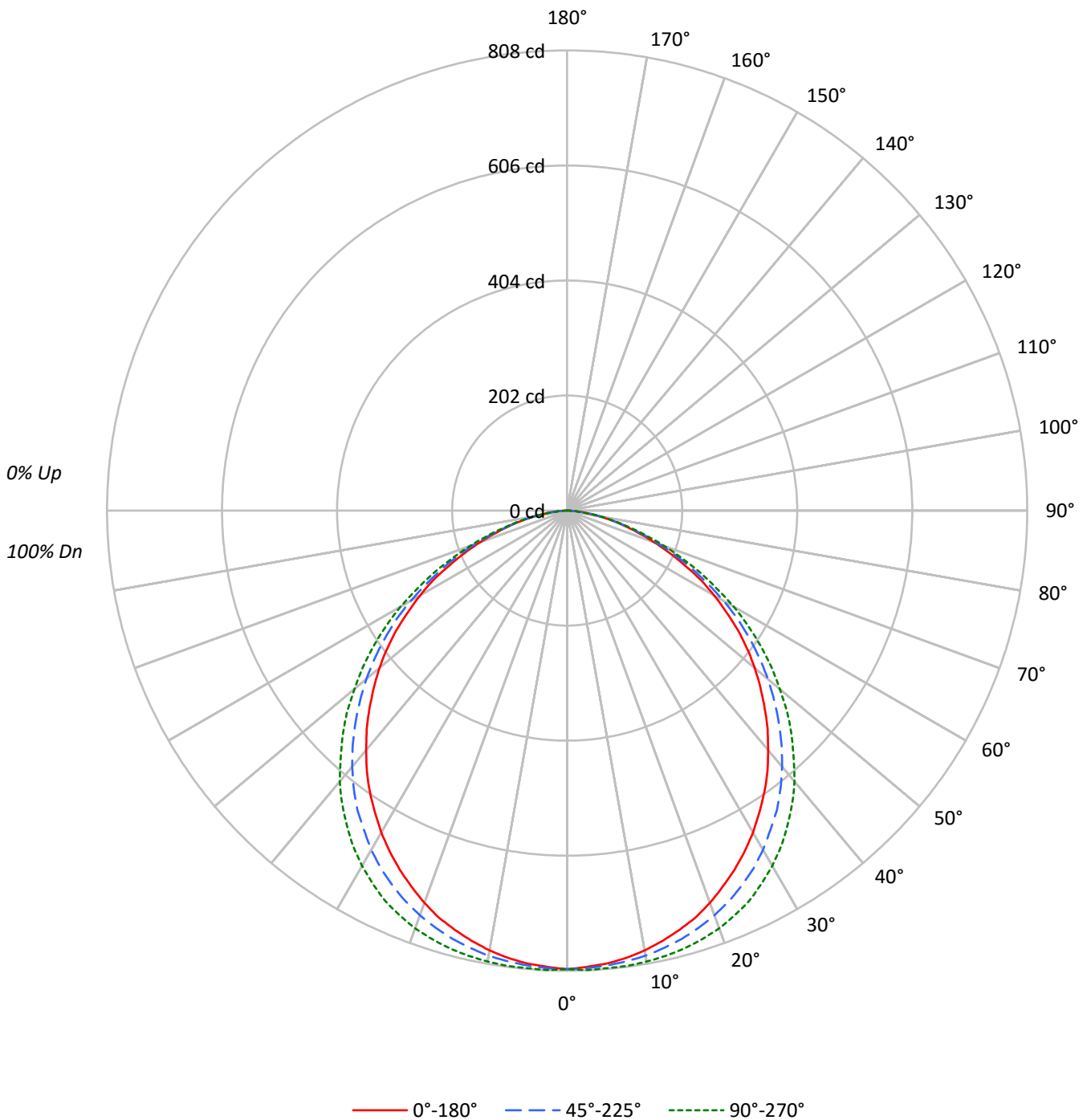
Input Watts (W): 19.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2167	2167	2167
5°	2156	2166	2178
10°	2143	2169	2197
15°	2123	2169	2217
20°	2099	2166	2236
25°	2066	2156	2246
30°	2028	2137	2238
35°	1983	2109	2216
40°	1928	2063	2182
45°	1867	2000	2120
50°	1800	1927	2039
55°	1717	1832	1947
60°	1605	1706	1819
65°	1454	1543	1640
70°	1283	1348	1421
75°	1102	1127	1175
80°	885	903	921
85°	648	574	574



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.3	3.5
10°-20°	219.8	10.2
20°-30°	334.4	15.4
30°-40°	400.0	18.5
40°-50°	404.4	18.7
50°-60°	348.0	16.1
60°-70°	240.3	11.1
70°-80°	116.5	5.4
80°-90°	25.3	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°	630.5	29.1
0°-40°	1030.5	47.6
0°-60°	1782.9	82.4
0°-90°	2165.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2165.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	805	805	805	805	805	
5°	798	799	802	805	806	76
15°	762	767	778	790	796	215
25°	696	704	726	748	756	320
35°	604	614	642	665	675	377
45°	491	500	526	548	557	378
55°	366	372	390	408	415	326
65°	228	232	242	253	258	227
75°	106	104	108	112	113	113
85°	21	21	19	19	19	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	805.3	805.3	805.3	805.3	805.3
2.5°	801.8	801.8	804.1	806.4	807.6
5°	798.3	799.4	801.8	805.3	806.4
7.5°	792.4	793.6	798.3	804.1	806.4
10°	784.3	786.6	793.6	800.6	804.1
12.5°	773.8	778.4	786.6	795.9	800.6
15°	762.1	766.8	778.4	790.1	795.9
17.5°	749.3	754.0	768.0	783.1	788.9
20°	733.0	740.0	756.3	773.8	780.8
22.5°	714.4	723.7	742.3	761.0	769.1
25°	695.7	703.9	726.0	748.2	756.3
27.5°	674.7	684.1	708.5	730.7	738.8
30°	652.6	661.9	687.6	712.0	720.2
32.5°	628.1	639.8	664.2	689.9	699.2
35°	603.6	614.1	642.1	665.4	674.7
37.5°	578.0	587.3	615.3	639.8	649.1
40°	548.9	559.4	587.3	611.8	621.1
42.5°	520.9	531.4	557.0	580.3	588.5
45°	490.6	499.9	525.6	547.7	557.0
47.5°	460.3	470.8	492.9	515.1	524.4
50°	430.0	438.2	460.3	481.3	487.1
52.5°	398.5	405.5	425.4	444.0	452.2
55°	365.9	371.7	390.4	407.9	414.9
57.5°	331.0	337.9	355.4	368.2	376.4
60°	298.3	301.8	317.0	329.8	337.9
62.5°	265.7	266.9	278.5	291.3	296.0
65°	228.4	231.9	242.4	252.9	257.5
67.5°	194.6	198.1	206.3	214.4	217.9
70°	163.1	163.1	171.3	177.1	180.6
72.5°	131.7	132.8	138.7	142.2	145.7
75°	106.0	103.7	108.4	111.9	113.0
77.5°	79.2	78.1	81.6	82.7	85.1
80°	57.1	57.1	58.3	59.4	59.4
82.5°	37.3	37.3	38.5	36.1	35.0
85°	21.0	21.0	18.6	18.6	18.6
87.5°	7.0	7.0	7.0	8.2	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)