

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: P298265

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-25L92765-LD5-UNV-22-T1-W2A-5000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2138.0 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

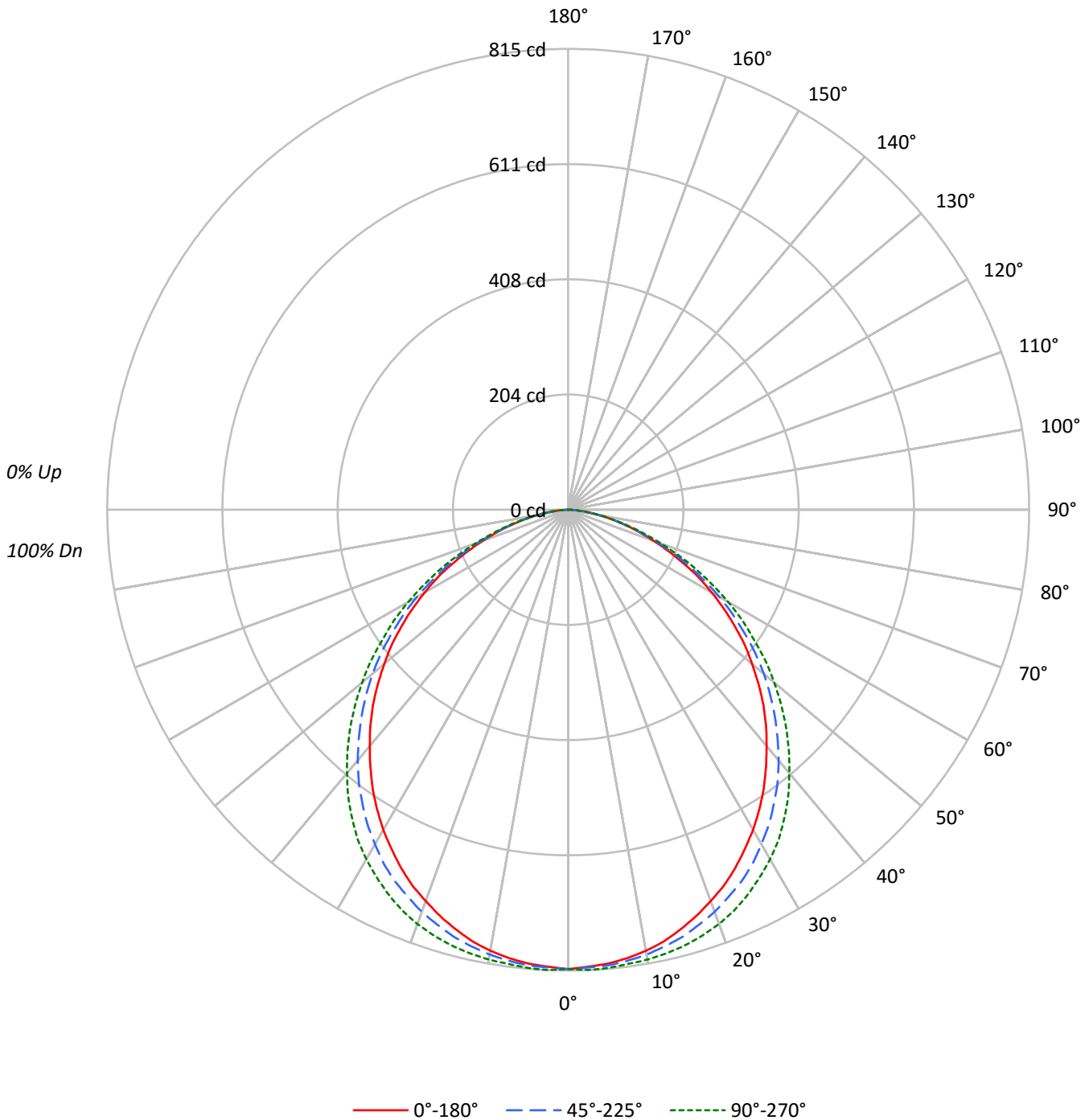
Input Watts (W): 19.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2186	2186	2186
5°	2176	2186	2198
10°	2164	2183	2208
15°	2140	2178	2222
20°	2109	2168	2233
25°	2075	2153	2230
30°	2031	2123	2218
35°	1980	2084	2188
40°	1917	2033	2136
45°	1857	1965	2073
50°	1777	1891	1991
55°	1688	1783	1879
60°	1576	1661	1759
65°	1438	1503	1589
70°	1259	1312	1366
75°	1074	1097	1145
80°	862	879	897
85°	630	596	562



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	3.6
10°-20°	220.7	10.3
20°-30°	333.7	15.6
30°-40°	396.3	18.5
40°-50°	397.9	18.6
50°-60°	339.9	15.9
60°-70°	234.2	11.0
70°-80°	113.5	5.3
80°-90°	24.8	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°	631.3	29.5
0°-40°	1027.7	48.1
0°-60°	1765.4	82.6
0°-90°	2138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2138.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	812	812	812	812	812	
5°	806	806	809	811	814	76
15°	768	772	782	792	798	217
25°	699	705	725	744	751	322
35°	603	612	634	658	666	376
45°	488	495	516	538	545	376
55°	360	365	380	396	401	322
65°	226	226	236	246	250	224
75°	103	101	106	108	110	111
85°	20	20	19	18	18	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	812.5	812.5	812.5	812.5	812.5
2.5°	809.1	809.1	810.2	813.6	814.8
5°	805.7	805.7	809.1	811.4	813.6
7.5°	800.0	801.1	804.5	809.1	810.2
10°	792.1	793.2	798.9	804.5	807.9
12.5°	781.9	784.1	790.9	800.0	803.4
15°	768.2	771.6	781.9	792.1	797.7
17.5°	753.5	758.0	769.4	784.1	789.8
20°	736.5	742.1	756.9	772.8	779.6
22.5°	719.4	724.0	741.0	759.2	767.1
25°	699.0	704.7	725.1	744.4	751.2
27.5°	676.3	684.3	705.8	726.2	733.1
30°	653.6	660.4	683.1	705.8	713.8
32.5°	628.7	635.5	660.4	683.1	692.2
35°	602.6	611.6	634.3	658.2	666.1
37.5°	574.2	584.4	608.2	628.7	638.9
40°	545.8	554.9	578.7	600.3	608.2
42.5°	517.5	525.4	548.1	570.8	577.6
45°	487.9	494.8	516.3	537.9	544.7
47.5°	456.2	464.1	484.5	502.7	510.6
50°	424.4	432.3	451.6	468.7	475.5
52.5°	393.8	398.3	416.5	432.3	440.3
55°	359.7	365.4	380.1	396.0	400.6
57.5°	326.8	330.2	345.0	358.6	365.4
60°	292.8	295.0	308.7	318.9	326.8
62.5°	261.0	261.0	271.2	282.6	287.1
65°	225.8	225.8	236.0	246.2	249.6
67.5°	191.8	194.0	200.9	208.8	211.1
70°	160.0	160.0	166.8	172.5	173.6
72.5°	131.6	130.5	133.9	138.4	140.7
75°	103.3	101.0	105.5	107.8	110.1
77.5°	78.3	77.2	79.4	81.7	81.7
80°	55.6	54.5	56.7	56.7	57.9
82.5°	36.3	37.4	37.4	36.3	35.2
85°	20.4	20.4	19.3	18.2	18.2
87.5°	6.8	6.8	6.8	7.9	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)