

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: P298436

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-25L92765-LD5-UNV-22-T1-W2A-6500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2339.0 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

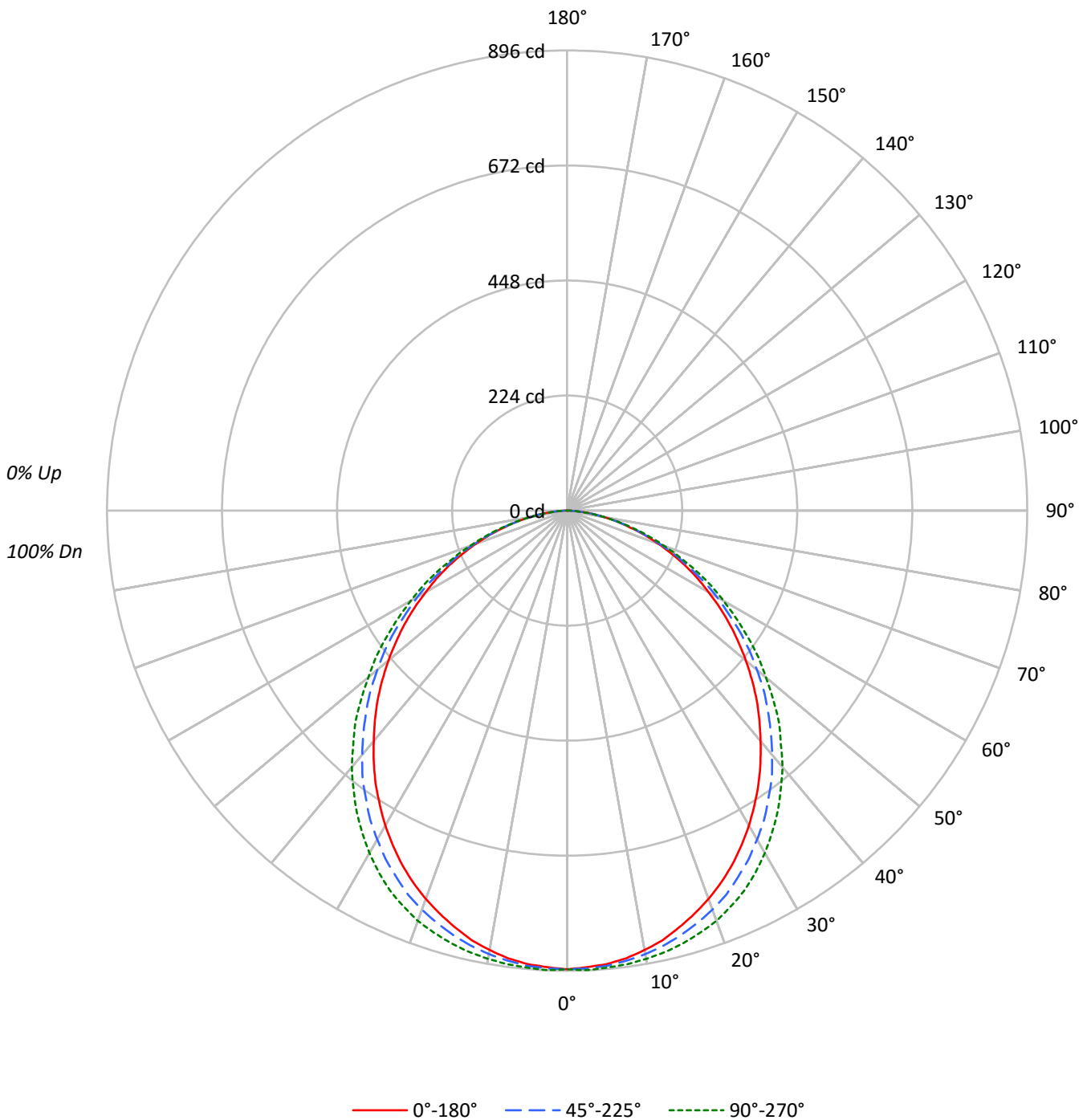
Input Watts (W): 19.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60					60			
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2404	2404	2404
5°	2394	2403	2413
10°	2374	2396	2422
15°	2342	2385	2430
20°	2304	2368	2435
25°	2258	2338	2424
30°	2200	2298	2392
35°	2135	2246	2349
40°	2058	2180	2291
45°	1985	2105	2221
50°	1901	2018	2116
55°	1814	1923	2016
60°	1711	1812	1893
65°	1617	1676	1757
70°	1485	1530	1585
75°	1319	1356	1392
80°	1137	1119	1119
85°	865	790	719



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	3.6
10°-20°	241.5	10.3
20°-30°	362.6	15.5
30°-40°	426.8	18.2
40°-50°	425.7	18.2
50°-60°	365.3	15.6
60°-70°	261.6	11.2
70°-80°	138.6	5.9
80°-90°	32.4	1.4
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°	688.7	29.4
0°-40°	1115.4	47.7
0°-60°	1906.4	81.5
0°-90°	2339.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2339.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	893	893	893	893	893	
5°	886	886	890	892	893	84
15°	841	844	856	868	872	237
25°	760	768	787	807	816	350
35°	650	658	684	707	715	406
45°	522	530	553	573	584	402
55°	387	392	410	424	430	346
65°	254	255	263	274	276	251
75°	127	127	130	133	134	136
85°	28	27	26	23	23	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	893.2	893.2	893.2	893.2	893.2
2.5°	889.7	889.7	892.1	894.4	895.6
5°	886.3	886.3	889.7	892.1	893.2
7.5°	879.3	879.3	883.9	888.6	890.9
10°	868.8	871.1	876.9	883.9	886.3
12.5°	857.1	859.5	867.6	876.9	880.4
15°	840.8	844.3	856.0	867.6	872.3
17.5°	823.4	828.0	842.0	856.0	861.8
20°	804.7	809.4	826.9	843.2	850.2
22.5°	783.8	789.6	809.4	826.9	833.8
25°	760.5	767.5	787.3	807.1	816.4
27.5°	734.9	743.0	765.1	786.1	794.3
30°	708.1	717.4	739.5	761.6	769.8
32.5°	679.0	687.1	713.9	734.9	743.0
35°	649.8	658.0	683.6	706.9	715.1
37.5°	618.4	628.9	654.5	675.5	683.6
40°	585.8	596.3	620.7	645.2	652.2
42.5°	554.3	563.7	587.0	609.1	616.1
45°	521.7	529.9	553.2	573.0	583.5
47.5°	488.0	496.1	519.4	538.0	543.9
50°	454.2	462.3	482.1	498.4	505.4
52.5°	420.4	428.6	447.2	462.3	469.3
55°	386.6	392.5	409.9	423.9	429.7
57.5°	352.9	357.5	371.5	386.6	390.1
60°	317.9	323.8	336.6	347.0	351.7
62.5°	286.5	288.8	300.5	309.8	315.6
65°	253.9	255.0	263.2	273.7	276.0
67.5°	220.1	221.3	229.4	235.2	237.6
70°	188.7	188.7	194.5	199.1	201.5
72.5°	158.4	157.2	160.7	165.4	167.7
75°	126.9	126.9	130.4	132.8	133.9
77.5°	100.2	97.8	100.2	102.5	102.5
80°	73.4	72.2	72.2	73.4	72.2
82.5°	50.1	48.9	50.1	47.7	46.6
85°	28.0	26.8	25.6	23.3	23.3
87.5°	9.3	8.2	8.2	9.3	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)