

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: P298397

Luminaire Tested: **D3X-WO-25L93050-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298397
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-25L93050-LD5-UNV-22-T1-W2A-4500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2302.0 lumens
Efficiency: N/A
Efficacy: 116.9 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

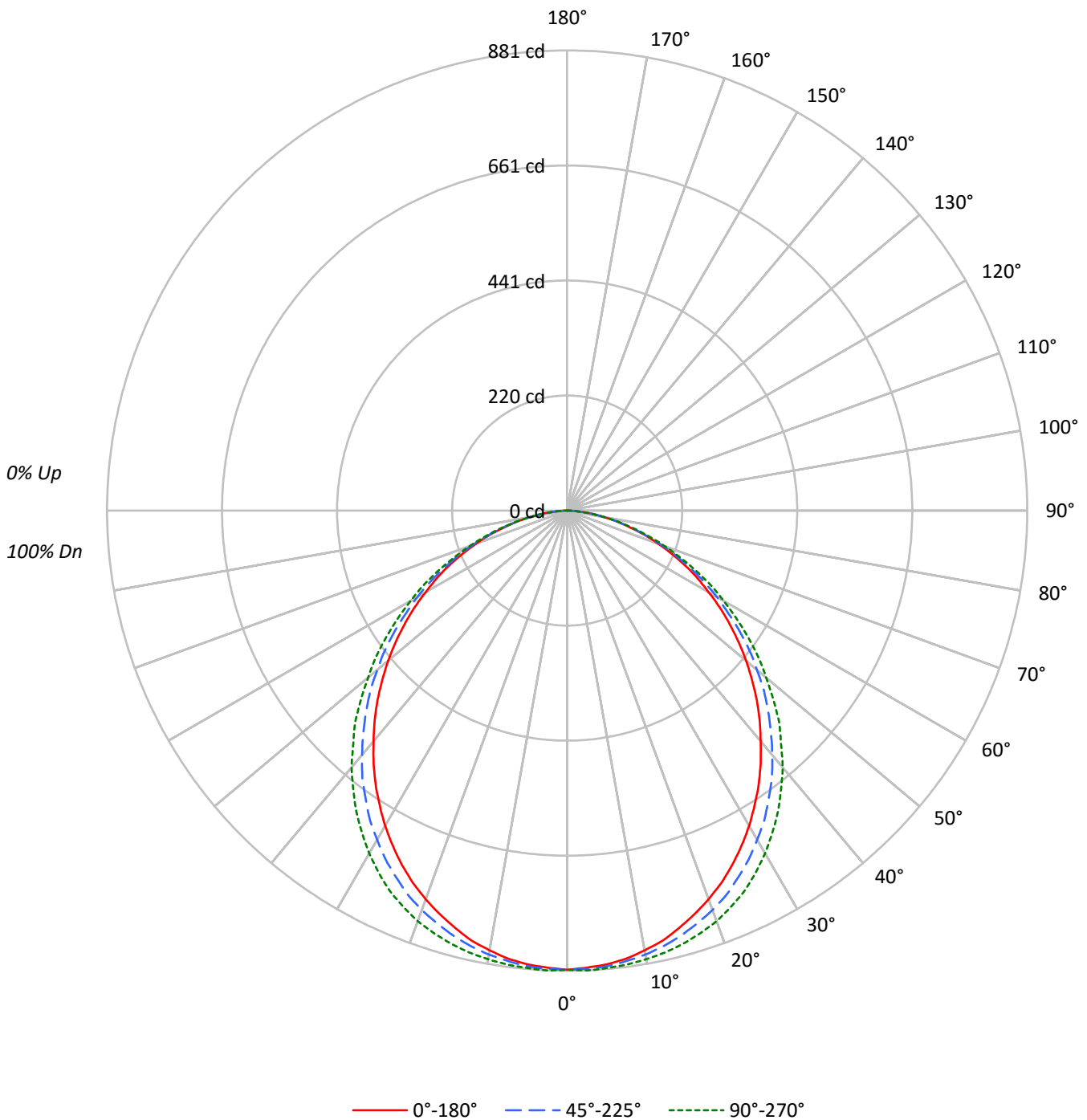
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2366	2366	2366
5°	2356	2365	2375
10°	2336	2358	2383
15°	2305	2347	2392
20°	2268	2330	2396
25°	2222	2301	2386
30°	2165	2261	2354
35°	2101	2210	2312
40°	2025	2146	2255
45°	1954	2072	2185
50°	1871	1986	2082
55°	1785	1893	1984
60°	1684	1783	1863
65°	1591	1649	1729
70°	1461	1506	1560
75°	1299	1335	1370
80°	1119	1102	1102
85°	849	778	707



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.2	3.6
10°-20°	237.7	10.3
20°-30°	356.9	15.5
30°-40°	420.0	18.2
40°-50°	418.9	18.2
50°-60°	359.5	15.6
60°-70°	257.5	11.2
70°-80°	136.4	5.9
80°-90°	31.9	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°	677.8	29.4
0°-40°	1097.8	47.7
0°-60°	1876.2	81.5
0°-90°	2302.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2302.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	879	879	879	879	879	
5°	872	872	876	878	879	83
15°	828	831	842	854	858	233
25°	748	755	775	794	804	344
35°	640	648	673	696	704	399
45°	514	522	544	564	574	396
55°	380	386	404	417	423	340
65°	250	251	259	269	272	247
75°	125	125	128	131	132	134
85°	28	26	25	23	23	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	879.1	879.1	879.1	879.1	879.1
2.5°	875.7	875.7	878.0	880.3	881.4
5°	872.2	872.2	875.7	878.0	879.1
7.5°	865.4	865.4	869.9	874.5	876.8
10°	855.0	857.3	863.1	869.9	872.2
12.5°	843.6	845.9	853.9	863.1	866.5
15°	827.5	831.0	842.4	853.9	858.5
17.5°	810.3	814.9	828.7	842.4	848.2
20°	792.0	796.6	813.8	829.8	836.7
22.5°	771.4	777.1	796.6	813.8	820.7
25°	748.4	755.3	774.8	794.3	803.5
27.5°	723.2	731.3	753.0	773.7	781.7
30°	696.9	706.0	727.8	749.6	757.6
32.5°	668.2	676.2	702.6	723.2	731.3
35°	639.6	647.6	672.8	695.7	703.7
37.5°	608.6	618.9	644.1	664.8	672.8
40°	576.5	586.8	610.9	635.0	641.9
42.5°	545.6	554.7	577.7	599.4	606.3
45°	513.5	521.5	544.4	563.9	574.2
47.5°	480.2	488.3	511.2	529.5	535.3
50°	447.0	455.0	474.5	490.6	497.4
52.5°	413.8	421.8	440.1	455.0	461.9
55°	380.5	386.3	403.5	417.2	422.9
57.5°	347.3	351.9	365.6	380.5	384.0
60°	312.9	318.6	331.2	341.6	346.1
62.5°	282.0	284.3	295.7	304.9	310.6
65°	249.9	251.0	259.0	269.4	271.6
67.5°	216.6	217.8	225.8	231.5	233.8
70°	185.7	185.7	191.4	196.0	198.3
72.5°	155.9	154.7	158.2	162.8	165.0
75°	124.9	124.9	128.4	130.7	131.8
77.5°	98.6	96.3	98.6	100.9	100.9
80°	72.2	71.1	71.1	72.2	71.1
82.5°	49.3	48.1	49.3	47.0	45.8
85°	27.5	26.4	25.2	22.9	22.9
87.5°	9.2	8.0	8.0	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)