

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: P297930

Luminaire Tested: **D3X-WO-23L92765-LD5-UNV-14-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-23L92765-LD5-UNV-14-T1-W2A-5500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2222.0 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

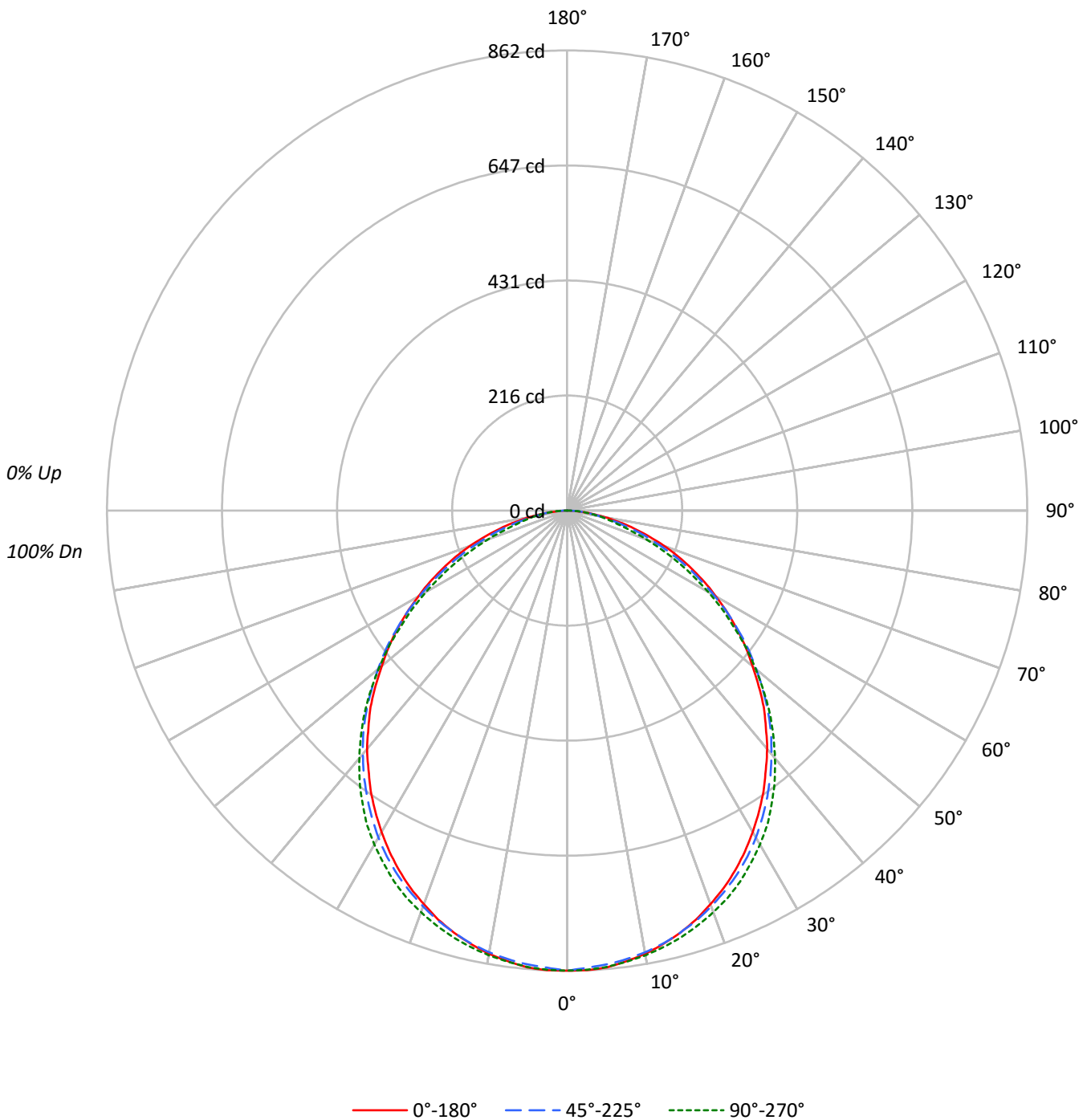
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	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	64	57	81	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	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	46	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	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2319	2319	2319
5°	2320	2305	2318
10°	2303	2296	2311
15°	2280	2280	2304
20°	2247	2260	2293
25°	2209	2235	2276
30°	2160	2198	2245
35°	2107	2147	2197
40°	2048	2091	2127
45°	1982	2025	2043
50°	1897	1936	1928
55°	1825	1838	1790
60°	1734	1708	1643
65°	1637	1571	1463
70°	1519	1393	1238
75°	1352	1195	1019
80°	1124	978	948
85°	815	874	874



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	3.7
10°-20°	231.7	10.4
20°-30°	347.2	15.6
30°-40°	409.1	18.4
40°-50°	408.0	18.4
50°-60°	347.1	15.6
60°-70°	242.2	10.9
70°-80°	123.1	5.5
80°-90°	32.2	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°	660.3	29.7
0°-40°	1069.4	48.1
0°-60°	1824.5	82.1
0°-90°	2222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2222.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	862	862	862	862	862	
5°	859	857	853	858	858	81
15°	818	818	818	826	827	231
25°	744	745	753	764	767	343
35°	641	642	654	667	669	401
45°	521	523	532	536	537	401
55°	389	389	392	386	382	348
65°	257	253	247	234	230	255
75°	130	125	115	101	98	138
85°	26	27	28	28	28	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	861.8	861.8	861.8	861.8	861.8
2.5°	861.8	860.9	857.1	860.9	860.9
5°	859.0	857.1	853.4	858.1	858.1
7.5°	851.5	850.5	847.7	852.4	852.4
10°	843.0	842.1	840.2	845.8	845.8
12.5°	831.7	831.7	830.8	836.4	837.3
15°	818.5	818.5	818.5	826.0	827.0
17.5°	803.4	802.5	805.3	813.8	814.7
20°	784.6	785.5	789.3	798.7	800.6
22.5°	765.8	766.7	771.4	782.7	785.5
25°	744.1	745.0	752.6	763.9	766.7
27.5°	720.6	722.4	730.9	743.2	745.0
30°	695.1	697.0	707.4	719.6	722.4
32.5°	668.7	671.6	681.0	694.2	697.9
35°	641.4	642.4	653.7	666.9	668.7
37.5°	611.3	614.1	625.4	636.7	638.6
40°	583.0	584.9	595.3	604.7	605.6
42.5°	551.0	553.8	565.1	571.7	571.7
45°	520.9	522.8	532.2	535.9	536.9
47.5°	487.0	488.8	497.3	499.2	499.2
50°	453.1	457.8	462.5	462.5	460.6
52.5°	422.0	422.9	428.6	424.8	422.9
55°	389.0	389.0	391.8	386.2	381.5
57.5°	356.0	356.0	356.0	348.5	344.7
60°	322.1	321.2	317.4	308.0	305.2
62.5°	290.1	287.3	281.6	272.2	266.6
65°	257.1	253.4	246.8	233.6	229.8
67.5°	226.1	219.5	211.9	199.7	193.1
70°	193.1	187.4	177.1	162.9	157.3
72.5°	161.1	155.4	146.9	132.8	124.3
75°	130.0	125.3	114.9	100.8	98.0
77.5°	99.8	97.0	86.7	80.1	79.1
80°	72.5	71.6	63.1	61.2	61.2
82.5°	48.0	47.1	44.3	44.3	43.3
85°	26.4	27.3	28.3	28.3	28.3
87.5°	9.4	11.3	13.2	13.2	13.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)