

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: P297795

Luminaire Tested: **D3X-WG-26L92765-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297795
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-26L92765-LD5-UNV-14-T1-W2A-3500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2167.0 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

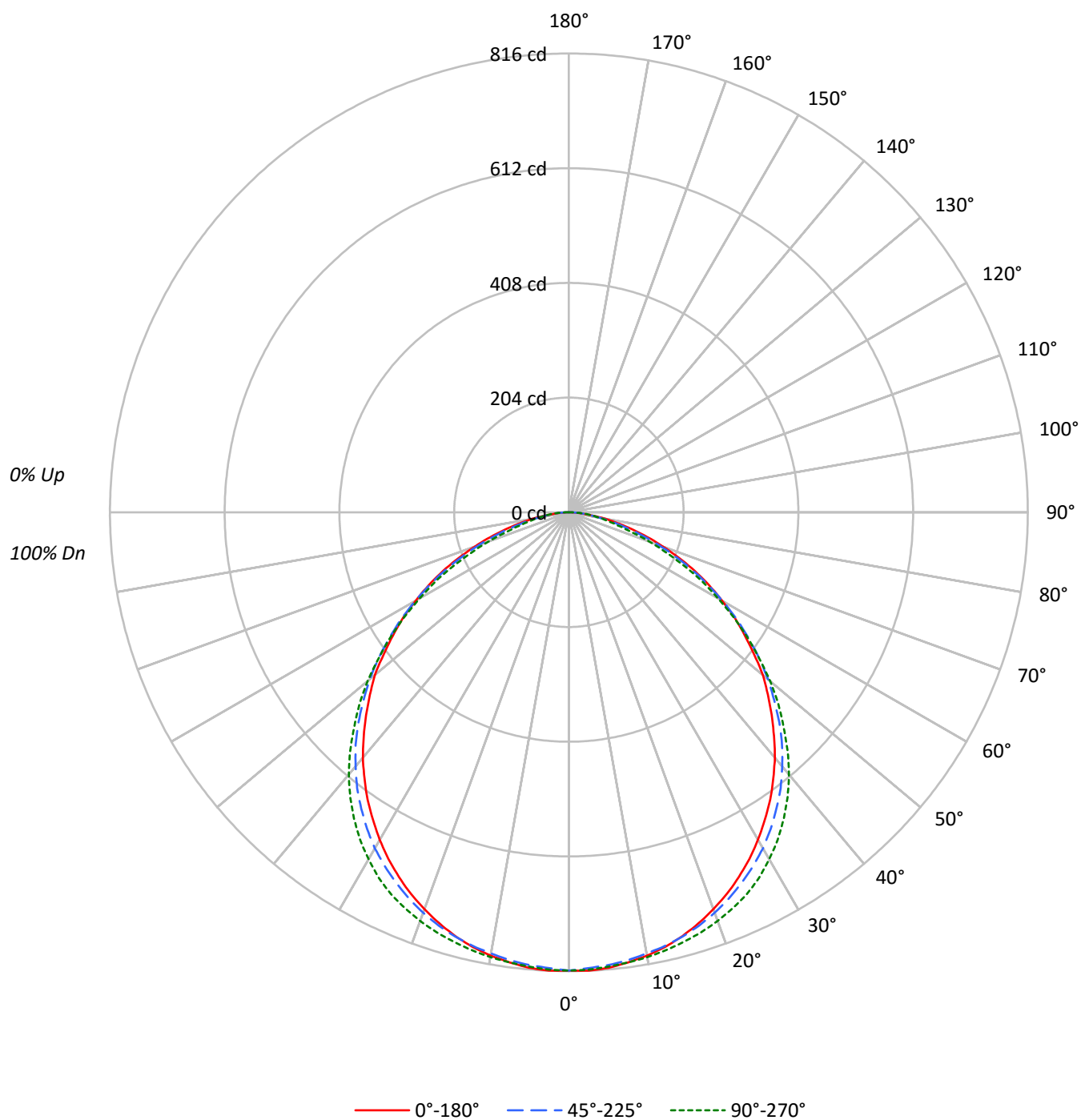
Input Watts (W): 23.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
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	82	77	83	79	75	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	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	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2193	2193	2193
5°	2196	2183	2191
10°	2187	2177	2195
15°	2173	2176	2203
20°	2151	2170	2214
25°	2124	2158	2224
30°	2090	2144	2213
35°	2050	2114	2187
40°	2002	2073	2138
45°	1940	2014	2054
50°	1886	1935	1955
55°	1791	1828	1818
60°	1695	1695	1648
65°	1573	1536	1450
70°	1395	1334	1205
75°	1209	1098	927
80°	992	855	841
85°	658	778	837



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	3.6
10°-20°	221.2	10.2
20°-30°	336.2	15.5
30°-40°	402.5	18.6
40°-50°	406.0	18.7
50°-60°	345.8	16.0
60°-70°	236.4	10.9
70°-80°	113.2	5.2
80°-90°	28.7	1.3
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°	634.4	29.3
0°-40°	1036.9	47.8
0°-60°	1788.7	82.5
0°-90°	2167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2167.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	815	815	815	815	815	
5°	813	812	808	812	811	77
15°	780	778	781	790	791	220
25°	715	716	727	743	749	329
35°	624	626	643	662	666	390
45°	510	514	529	540	540	394
55°	382	384	390	390	388	342
65°	247	242	241	233	228	244
75°	116	114	106	92	89	124
85°	21	23	25	26	27	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	815.0	815.0	815.0	815.0	815.0
2.5°	815.9	815.0	811.1	815.0	814.0
5°	813.0	812.1	808.2	812.1	811.1
7.5°	807.2	806.2	803.3	807.2	807.2
10°	800.4	798.5	796.6	802.4	803.3
12.5°	791.7	789.8	789.8	796.6	797.5
15°	780.1	778.1	781.1	789.8	790.7
17.5°	766.5	765.5	770.4	781.1	783.0
20°	751.0	750.0	757.8	770.4	773.3
22.5°	734.5	734.5	743.3	757.8	761.7
25°	715.2	716.1	726.8	743.3	749.1
27.5°	694.8	696.7	709.3	727.8	732.6
30°	672.5	675.4	690.0	707.4	712.2
32.5°	648.3	651.2	667.7	686.1	690.9
35°	624.1	626.0	643.4	661.9	665.7
37.5°	596.9	599.8	618.3	634.7	638.6
40°	569.8	572.7	590.1	605.7	608.6
42.5°	539.8	543.6	561.1	573.7	575.6
45°	509.7	513.6	529.1	539.8	539.8
47.5°	479.7	481.6	495.2	505.8	504.9
50°	450.6	449.6	462.2	467.1	467.1
52.5°	414.8	417.7	426.4	429.3	426.4
55°	381.8	383.7	389.6	390.5	387.6
57.5°	349.8	348.9	353.7	350.8	346.9
60°	314.9	314.9	314.9	312.0	306.2
62.5°	281.0	279.1	278.1	271.3	268.4
65°	247.1	242.3	241.3	232.6	227.7
67.5°	211.3	209.3	204.5	195.7	187.0
70°	177.3	175.4	169.6	158.9	153.1
72.5°	146.3	144.4	136.6	124.0	116.3
75°	116.3	114.3	105.6	92.1	89.2
77.5°	88.2	87.2	78.5	71.7	70.7
80°	64.0	63.0	55.2	55.2	54.3
82.5°	40.7	40.7	38.8	39.7	40.7
85°	21.3	23.3	25.2	26.2	27.1
87.5°	6.8	10.7	12.6	13.6	12.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)