

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: P297625

Luminaire Tested: **D3X-WD-26L93050-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-26L93050-LD5-UNV-14-T1-W2A-3500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2157.0 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

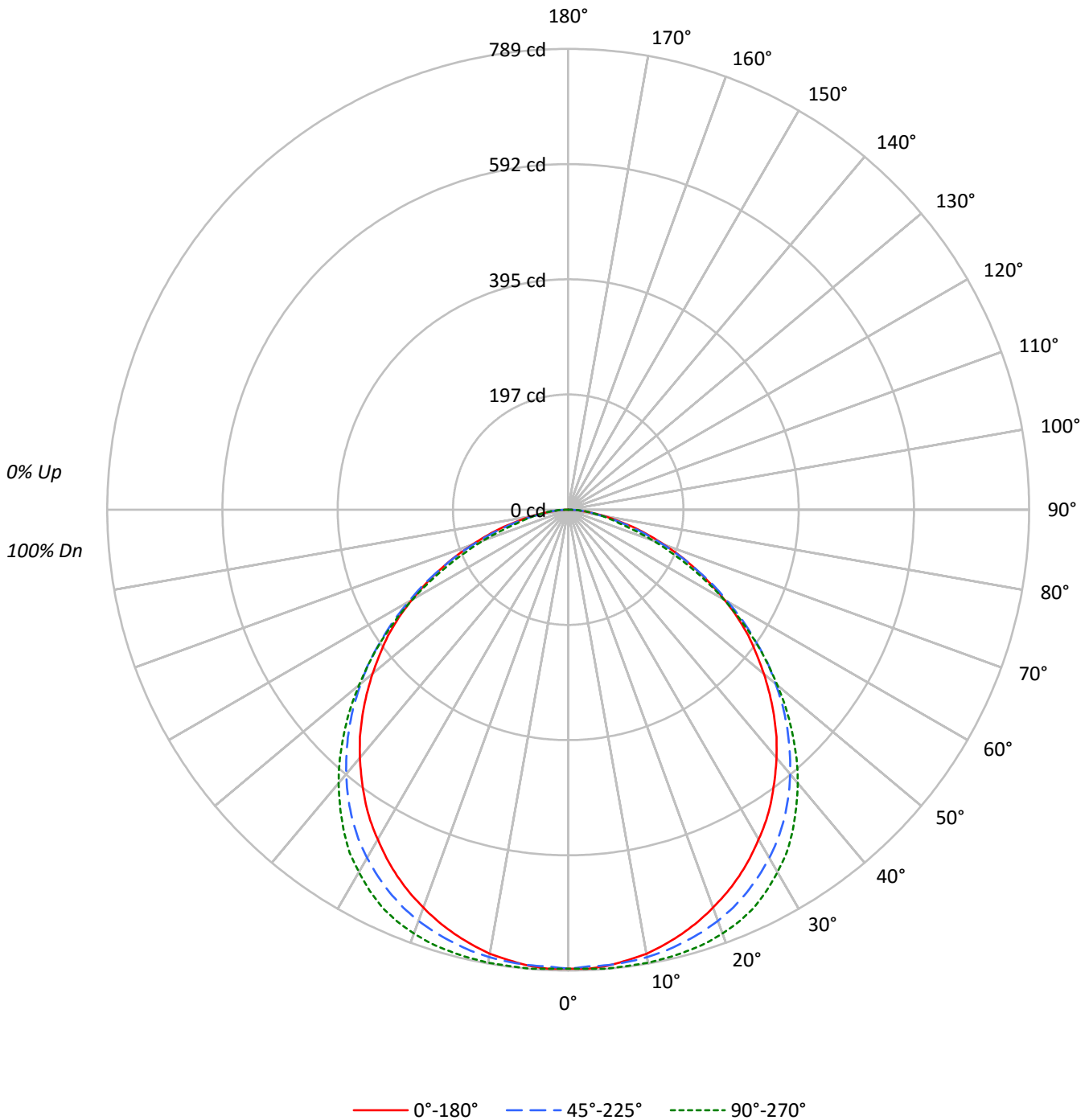
Input Watts (W): 24.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2114	2114	2114
5°	2117	2115	2130
10°	2110	2126	2152
15°	2095	2135	2181
20°	2076	2145	2211
25°	2056	2147	2233
30°	2025	2139	2226
35°	1993	2119	2201
40°	1948	2077	2148
45°	1894	2019	2066
50°	1830	1939	1955
55°	1766	1834	1825
60°	1664	1700	1658
65°	1533	1539	1453
70°	1371	1341	1220
75°	1192	1111	941
80°	955	865	865
85°	682	803	834



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	3.5
10°-20°	216.9	10.1
20°-30°	333.0	15.4
30°-40°	401.1	18.6
40°-50°	405.3	18.8
50°-60°	345.7	16.0
60°-70°	236.7	11.0
70°-80°	114.2	5.3
80°-90°	29.4	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°	624.6	29.0
0°-40°	1025.7	47.6
0°-60°	1776.7	82.4
0°-90°	2157.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2157.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	786	786	786	786	786	
5°	784	784	783	788	789	74
15°	752	758	766	780	783	212
25°	692	703	723	744	752	319
35°	607	620	645	665	670	379
45°	498	511	530	543	543	384
55°	376	383	391	393	389	335
65°	241	244	242	233	228	239
75°	115	115	107	94	90	122
85°	22	24	26	27	27	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	785.7	785.7	785.7	785.7	785.7
2.5°	786.6	785.7	782.8	786.6	786.6
5°	783.8	783.8	782.8	787.6	788.6
7.5°	778.0	779.9	780.9	786.6	787.6
10°	772.2	774.1	778.0	785.7	787.6
12.5°	762.6	766.4	773.2	783.8	785.7
15°	752.0	757.8	766.4	779.9	782.8
17.5°	739.5	747.2	758.7	774.1	778.9
20°	725.0	733.7	749.1	766.4	772.2
22.5°	709.6	719.2	737.5	757.8	763.5
25°	692.3	702.9	723.1	744.3	752.0
27.5°	673.0	684.6	706.7	728.9	735.6
30°	651.8	664.4	688.4	710.6	716.4
32.5°	630.7	643.2	668.2	689.4	696.1
35°	606.6	620.1	645.1	665.3	670.1
37.5°	580.6	594.1	619.1	639.3	641.3
40°	554.6	568.1	591.2	609.5	611.4
42.5°	527.6	540.2	561.3	576.7	578.7
45°	497.8	511.3	530.5	543.0	543.0
47.5°	467.9	481.4	497.8	506.5	506.5
50°	437.1	449.6	463.1	467.9	467.0
52.5°	406.3	417.9	429.4	430.4	428.5
55°	376.5	383.2	390.9	392.8	389.0
57.5°	343.7	349.5	354.3	351.4	348.5
60°	309.1	314.8	315.8	311.0	308.1
62.5°	275.4	280.2	280.2	272.5	267.7
65°	240.7	243.6	241.7	233.0	228.2
67.5°	208.0	209.9	206.0	197.4	189.7
70°	174.3	175.2	170.4	159.8	155.0
72.5°	143.5	144.4	138.6	126.1	120.4
75°	114.6	114.6	106.9	94.4	90.5
77.5°	85.7	88.6	79.9	73.2	73.2
80°	61.6	64.5	55.8	56.8	55.8
82.5°	40.4	43.3	40.4	40.4	40.4
85°	22.1	24.1	26.0	27.0	27.0
87.5°	6.7	11.6	12.5	13.5	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)