

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: P297765

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297765
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-26L93050-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: 2153.0 lumens
Efficiency: N/A
Efficacy: 88.6 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

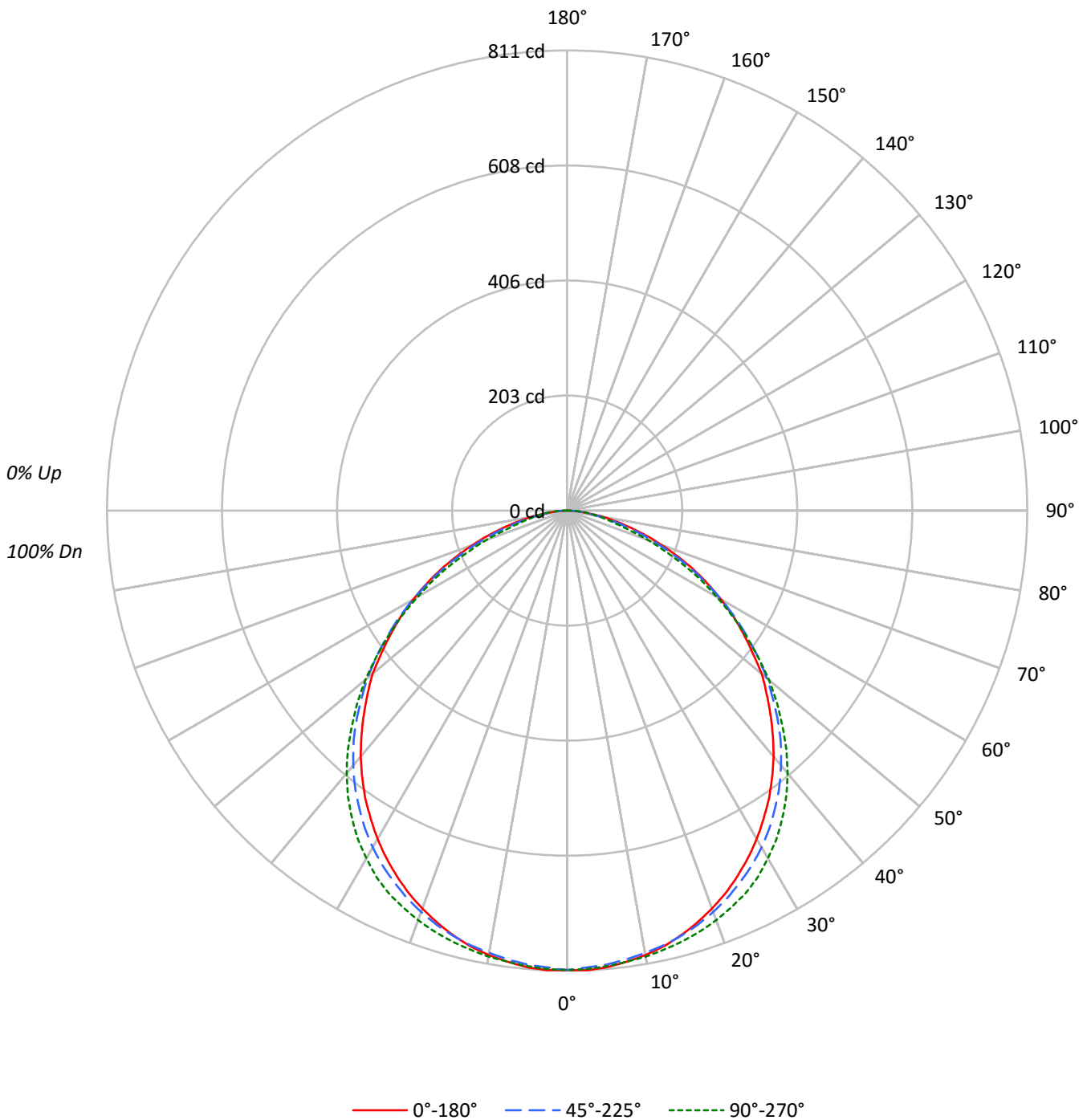
Input Watts (W): 24.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2179	2179	2179
5°	2182	2169	2177
10°	2173	2162	2181
15°	2159	2162	2189
20°	2137	2156	2200
25°	2110	2144	2210
30°	2076	2130	2199
35°	2037	2100	2173
40°	1989	2060	2124
45°	1927	2001	2041
50°	1874	1922	1943
55°	1780	1816	1807
60°	1684	1684	1637
65°	1563	1526	1441
70°	1386	1326	1197
75°	1201	1091	921
80°	984	851	835
85°	655	772	834



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	3.6
10°-20°	219.8	10.2
20°-30°	334.0	15.5
30°-40°	399.9	18.6
40°-50°	403.4	18.7
50°-60°	343.6	16.0
60°-70°	234.9	10.9
70°-80°	112.5	5.2
80°-90°	28.5	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°	630.3	29.3
0°-40°	1030.2	47.8
0°-60°	1777.1	82.5
0°-90°	2153.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2153.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	810	810	810	810	810	
5°	808	807	803	807	806	77
15°	775	773	776	785	786	219
25°	710	712	722	738	744	327
35°	620	622	639	658	661	387
45°	506	510	526	536	536	391
55°	379	381	387	388	385	340
65°	246	241	240	231	226	242
75°	116	114	105	92	89	123
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°	809.7	809.7	809.7	809.7	809.7
2.5°	810.7	809.7	805.9	809.7	808.7
5°	807.8	806.8	803.0	806.8	805.9
7.5°	802.0	801.0	798.1	802.0	802.0
10°	795.3	793.3	791.4	797.2	798.1
12.5°	786.6	784.7	784.7	791.4	792.4
15°	775.0	773.1	776.0	784.7	785.6
17.5°	761.6	760.6	765.4	776.0	777.9
20°	746.2	745.2	752.9	765.4	768.3
22.5°	729.8	729.8	738.5	752.9	756.7
25°	710.5	711.5	722.1	738.5	744.2
27.5°	690.3	692.2	704.8	723.1	727.9
30°	668.2	671.1	685.5	702.8	707.6
32.5°	644.1	647.0	663.4	681.7	686.5
35°	620.0	622.0	639.3	657.6	661.4
37.5°	593.1	596.0	614.3	630.6	634.5
40°	566.1	569.0	586.3	601.7	604.6
42.5°	536.3	540.1	557.5	570.0	571.9
45°	506.4	510.3	525.7	536.3	536.3
47.5°	476.6	478.5	492.0	502.6	501.6
50°	447.7	446.7	459.2	464.1	464.1
52.5°	412.1	415.0	423.6	426.5	423.6
55°	379.3	381.3	387.0	388.0	385.1
57.5°	347.6	346.6	351.4	348.5	344.7
60°	312.9	312.9	312.9	310.0	304.2
62.5°	279.2	277.3	276.3	269.6	266.7
65°	245.5	240.7	239.7	231.1	226.3
67.5°	209.9	208.0	203.1	194.5	185.8
70°	176.2	174.3	168.5	157.9	152.1
72.5°	145.4	143.5	135.8	123.2	115.5
75°	115.5	113.6	104.9	91.5	88.6
77.5°	87.6	86.7	78.0	71.2	70.3
80°	63.5	62.6	54.9	54.9	53.9
82.5°	40.4	40.4	38.5	39.5	40.4
85°	21.2	23.1	25.0	26.0	27.0
87.5°	6.7	10.6	12.5	13.5	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)