

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: P297764

Luminaire Tested: **D3X-WG-26L93050-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297764
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-3000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1970.0 lumens
Efficiency: N/A
Efficacy: 80.7 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

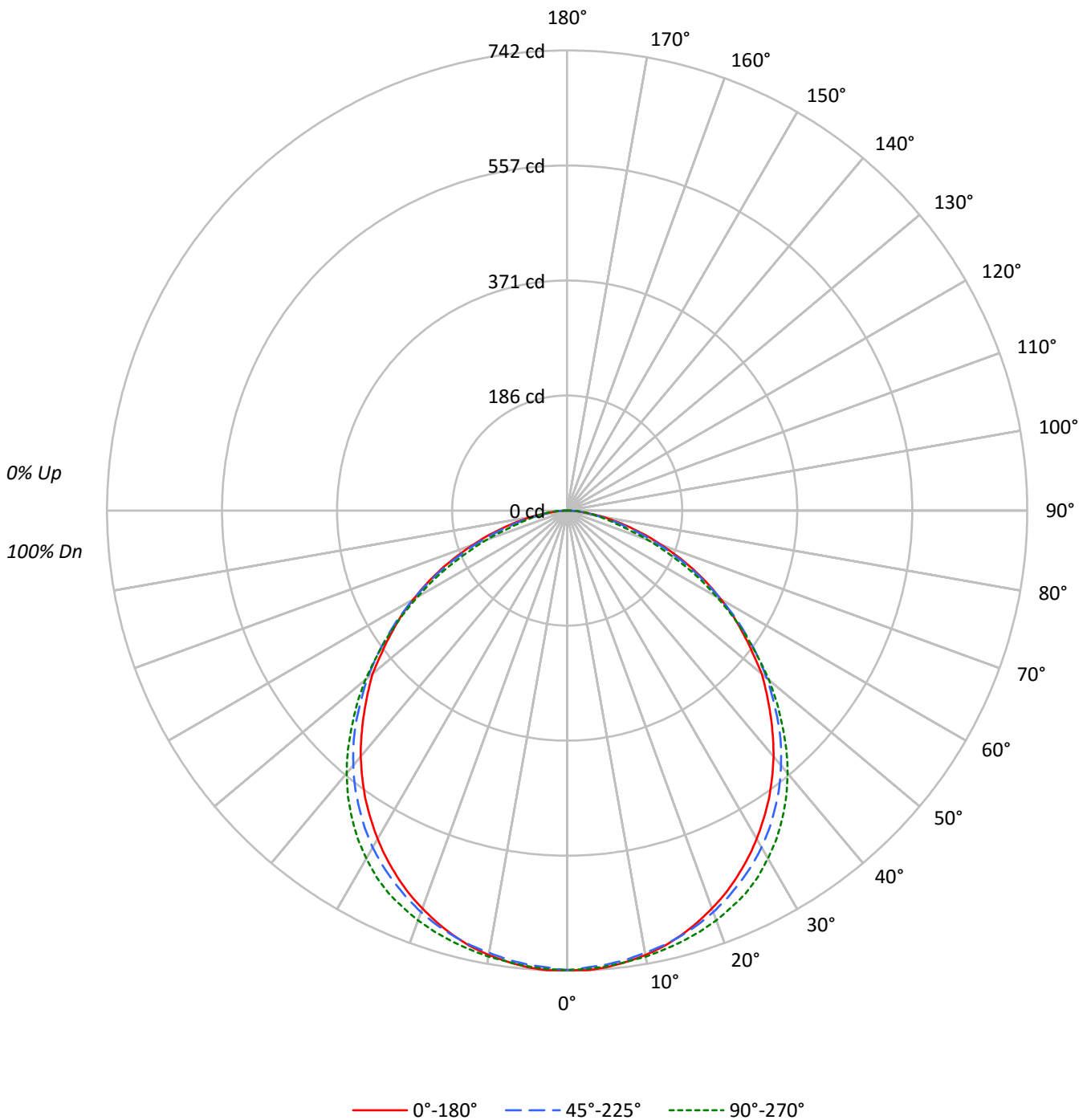
Input Watts (W): 24.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1994	1994	1994
5°	1996	1985	1992
10°	1988	1979	1996
15°	1976	1978	2003
20°	1955	1973	2013
25°	1930	1962	2022
30°	1900	1949	2012
35°	1864	1922	1988
40°	1820	1885	1943
45°	1764	1831	1867
50°	1715	1759	1778
55°	1628	1661	1653
60°	1541	1541	1498
65°	1430	1397	1318
70°	1268	1213	1095
75°	1099	998	842
80°	900	778	764
85°	599	707	763



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	3.6
10°-20°	201.1	10.2
20°-30°	305.6	15.5
30°-40°	365.9	18.6
40°-50°	369.1	18.7
50°-60°	314.4	16.0
60°-70°	215.0	10.9
70°-80°	102.9	5.2
80°-90°	26.1	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°	576.7	29.3
0°-40°	942.6	47.8
0°-60°	1626.0	82.5
0°-90°	1970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1970.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	741	741	741	741	741	
5°	739	738	735	738	737	70
15°	709	707	710	718	719	200
25°	650	651	661	676	681	299
35°	567	569	585	602	605	354
45°	463	467	481	491	491	358
55°	347	349	354	355	352	311
65°	225	220	219	211	207	222
75°	106	104	96	84	81	113
85°	19	21	23	24	25	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	740.9	740.9	740.9	740.9	740.9
2.5°	741.8	740.9	737.4	740.9	740.0
5°	739.1	738.2	734.7	738.2	737.4
7.5°	733.8	733.0	730.3	733.8	733.8
10°	727.7	725.9	724.1	729.4	730.3
12.5°	719.7	718.0	718.0	724.1	725.0
15°	709.2	707.4	710.0	718.0	718.9
17.5°	696.8	696.0	700.4	710.0	711.8
20°	682.7	681.9	688.9	700.4	703.0
22.5°	667.8	667.8	675.7	688.9	692.4
25°	650.1	651.0	660.7	675.7	681.0
27.5°	631.6	633.4	644.9	661.6	666.0
30°	611.4	614.0	627.2	643.1	647.5
32.5°	589.4	592.0	607.0	623.7	628.1
35°	567.3	569.1	585.0	601.7	605.2
37.5°	542.7	545.3	562.0	577.0	580.5
40°	518.0	520.6	536.5	550.6	553.2
42.5°	490.7	494.2	510.1	521.5	523.3
45°	463.4	466.9	481.0	490.7	490.7
47.5°	436.1	437.8	450.2	459.9	459.0
50°	409.6	408.8	420.2	424.6	424.6
52.5°	377.0	379.7	387.6	390.3	387.6
55°	347.1	348.9	354.1	355.0	352.4
57.5°	318.0	317.1	321.5	318.9	315.4
60°	286.3	286.3	286.3	283.7	278.4
62.5°	255.5	253.7	252.8	246.7	244.0
65°	224.6	220.2	219.4	211.4	207.0
67.5°	192.0	190.3	185.9	178.0	170.0
70°	161.2	159.5	154.2	144.5	139.2
72.5°	133.0	131.3	124.2	112.8	105.7
75°	105.7	104.0	96.0	83.7	81.0
77.5°	80.2	79.3	71.4	65.2	64.3
80°	58.1	57.3	50.2	50.2	49.3
82.5°	37.0	37.0	35.2	36.1	37.0
85°	19.4	21.1	22.9	23.8	24.7
87.5°	6.2	9.7	11.5	12.3	11.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)