

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: P297836

Luminaire Tested: **D3X-WO-26L83050-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297836
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-26L83050-LD5-UNV-14-T1-W2A-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2806.0 lumens
Efficiency: N/A
Efficacy: 115.0 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

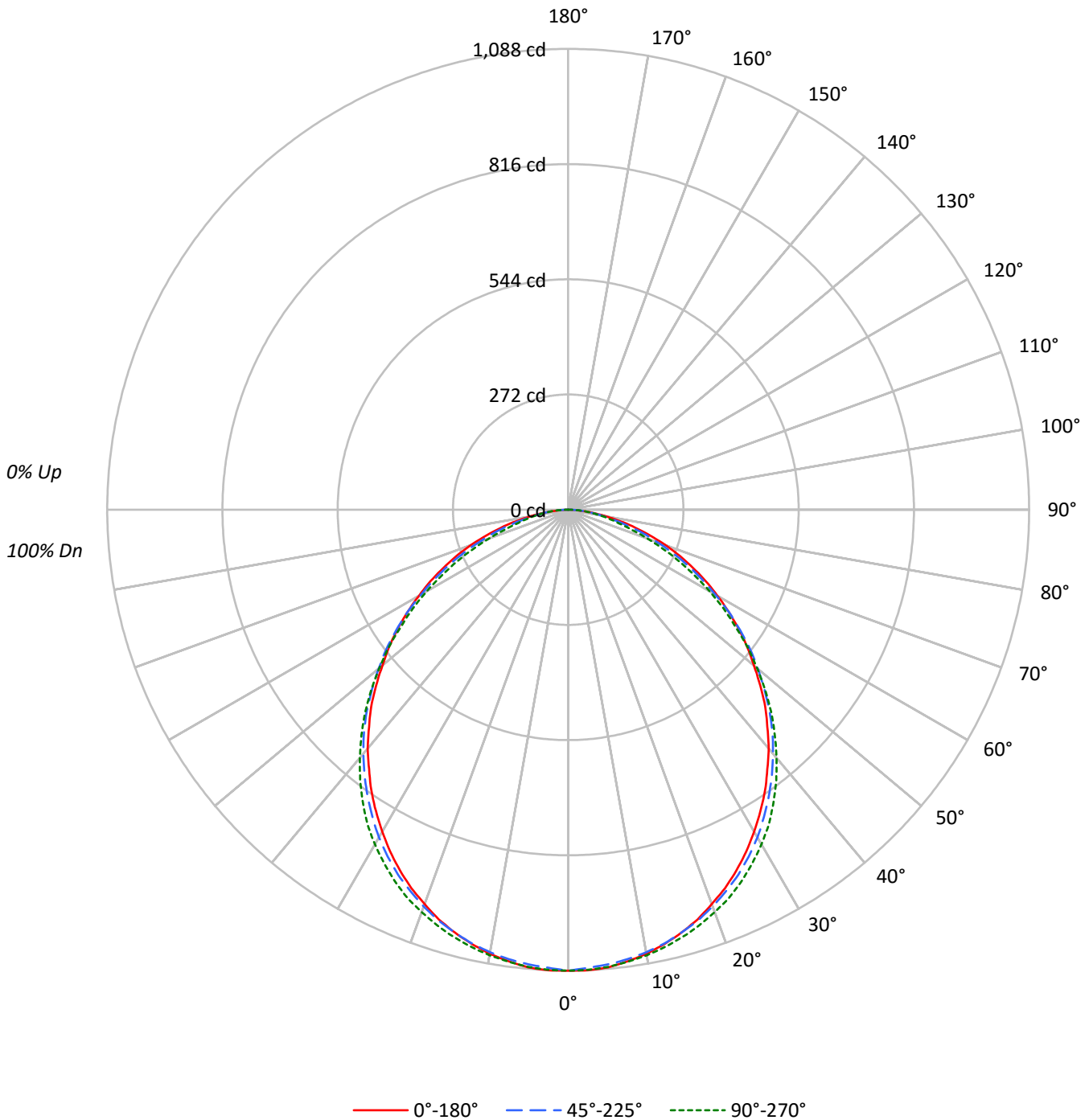
Input Watts (W): 24.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2929	2929	2929
5°	2930	2911	2927
10°	2909	2899	2919
15°	2880	2880	2909
20°	2837	2855	2895
25°	2790	2822	2875
30°	2728	2776	2835
35°	2661	2712	2774
40°	2586	2641	2687
45°	2503	2557	2580
50°	2395	2445	2435
55°	2305	2321	2260
60°	2189	2157	2074
65°	2067	1984	1848
70°	1918	1759	1563
75°	1706	1509	1286
80°	1420	1235	1198
85°	1028	1102	1102



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	3.7
10°-20°	292.6	10.4
20°-30°	438.5	15.6
30°-40°	516.6	18.4
40°-50°	515.3	18.4
50°-60°	438.3	15.6
60°-70°	305.9	10.9
70°-80°	155.5	5.5
80°-90°	40.6	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°	833.8	29.7
0°-40°	1350.4	48.1
0°-60°	2304.0	82.1
0°-90°	2806.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2806.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1088	1088	1088	1088	1088	
5°	1085	1082	1078	1084	1084	103
15°	1034	1034	1034	1043	1044	291
25°	940	941	950	965	968	433
35°	810	811	826	842	844	506
45°	658	660	672	677	678	506
55°	491	491	495	488	482	439
65°	325	320	312	295	290	322
75°	164	158	145	127	124	174
85°	33	34	36	36	36	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1088.4	1088.4	1088.4	1088.4	1088.4
2.5°	1088.4	1087.2	1082.4	1087.2	1087.2
5°	1084.8	1082.4	1077.6	1083.6	1083.6
7.5°	1075.3	1074.1	1070.5	1076.5	1076.5
10°	1064.6	1063.4	1061.0	1068.1	1068.1
12.5°	1050.3	1050.3	1049.1	1056.2	1057.4
15°	1033.6	1033.6	1033.6	1043.2	1044.3
17.5°	1014.6	1013.4	1017.0	1027.7	1028.9
20°	990.8	992.0	996.8	1008.7	1011.0
22.5°	967.0	968.2	974.2	988.4	992.0
25°	939.7	940.9	950.4	964.6	968.2
27.5°	909.9	912.3	923.0	938.5	940.9
30°	877.8	880.2	893.3	908.7	912.3
32.5°	844.5	848.1	860.0	876.6	881.4
35°	810.0	811.2	825.5	842.1	844.5
37.5°	772.0	775.5	789.8	804.1	806.4
40°	736.3	738.7	751.7	763.6	764.8
42.5°	695.8	699.4	713.7	722.0	722.0
45°	657.8	660.1	672.0	676.8	678.0
47.5°	614.9	617.3	628.0	630.4	630.4
50°	572.1	578.1	584.0	584.0	581.6
52.5°	532.9	534.1	541.2	536.4	534.1
55°	491.2	491.2	494.8	487.7	481.7
57.5°	449.6	449.6	449.6	440.1	435.3
60°	406.8	405.6	400.8	389.0	385.4
62.5°	366.4	362.8	355.6	343.8	336.6
65°	324.7	320.0	311.6	295.0	290.2
67.5°	285.5	277.1	267.6	252.2	243.8
70°	243.8	236.7	223.6	205.8	198.6
72.5°	203.4	196.3	185.6	167.7	157.0
75°	164.1	158.2	145.1	127.3	123.7
77.5°	126.1	122.5	109.4	101.1	99.9
80°	91.6	90.4	79.7	77.3	77.3
82.5°	60.7	59.5	55.9	55.9	54.7
85°	33.3	34.5	35.7	35.7	35.7
87.5°	11.9	14.3	16.7	16.7	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)