

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: P297556

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297556
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-26L83050-LD5-UNV-14-T1-W2A-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2664.0 lumens
Efficiency: N/A
Efficacy: 109.2 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

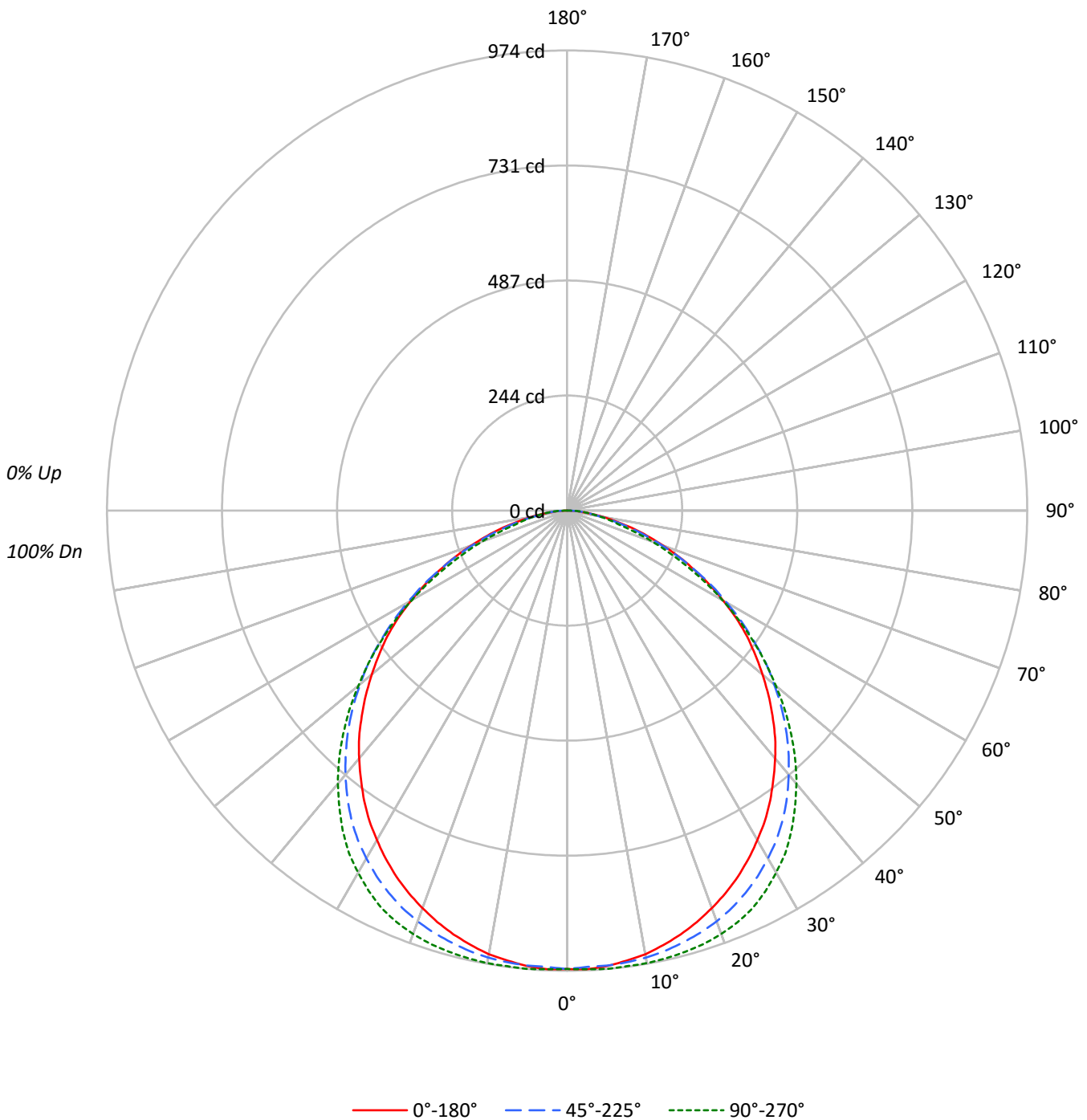
Input Watts (W): 24.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2611	2611	2611
5°	2615	2612	2631
10°	2606	2625	2658
15°	2587	2637	2693
20°	2564	2649	2731
25°	2539	2652	2757
30°	2502	2642	2749
35°	2461	2617	2719
40°	2406	2565	2653
45°	2340	2493	2552
50°	2260	2395	2414
55°	2182	2265	2254
60°	2054	2099	2048
65°	1893	1901	1794
70°	1693	1656	1507
75°	1471	1372	1162
80°	1179	1069	1069
85°	846	991	1028



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	3.5
10°-20°	267.9	10.1
20°-30°	411.3	15.4
30°-40°	495.3	18.6
40°-50°	500.6	18.8
50°-60°	427.0	16.0
60°-70°	292.3	11.0
70°-80°	141.0	5.3
80°-90°	36.3	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°	771.5	29.0
0°-40°	1266.8	47.6
0°-60°	2194.3	82.4
0°-90°	2664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2664.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	970	970	970	970	970	
5°	968	968	967	973	974	92
15°	929	936	947	963	967	262
25°	855	868	893	919	929	394
35°	749	766	797	822	828	468
45°	615	631	655	671	671	474
55°	465	473	483	485	480	414
65°	297	301	298	288	282	295
75°	142	142	132	116	112	150
85°	27	30	32	33	33	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	970.4	970.4	970.4	970.4	970.4
2.5°	971.5	970.4	966.8	971.5	971.5
5°	968.0	968.0	966.8	972.7	973.9
7.5°	960.8	963.2	964.4	971.5	972.7
10°	953.7	956.1	960.8	970.4	972.7
12.5°	941.8	946.6	954.9	968.0	970.4
15°	928.7	935.9	946.6	963.2	966.8
17.5°	913.3	922.8	937.1	956.1	962.0
20°	895.4	906.1	925.2	946.6	953.7
22.5°	876.4	888.3	910.9	935.9	943.0
25°	855.0	868.1	893.1	919.2	928.7
27.5°	831.2	845.5	872.8	900.2	908.5
30°	805.1	820.5	850.2	877.6	884.7
32.5°	778.9	794.4	825.3	851.4	859.8
35°	749.2	765.8	796.7	821.7	827.7
37.5°	717.1	733.7	764.6	789.6	792.0
40°	685.0	701.6	730.1	752.7	755.1
42.5°	651.7	667.1	693.3	712.3	714.7
45°	614.8	631.4	655.2	670.7	670.7
47.5°	577.9	594.6	614.8	625.5	625.5
50°	539.9	555.3	572.0	577.9	576.7
52.5°	501.8	516.1	530.4	531.6	529.2
55°	465.0	473.3	482.8	485.2	480.4
57.5°	424.5	431.7	437.6	434.0	430.5
60°	381.7	388.9	390.0	384.1	380.5
62.5°	340.1	346.0	346.0	336.5	330.6
65°	297.3	300.9	298.5	287.8	281.8
67.5°	256.9	259.2	254.5	243.8	234.3
70°	215.2	216.4	210.5	197.4	191.5
72.5°	177.2	178.4	171.2	155.8	148.6
75°	141.5	141.5	132.0	116.5	111.8
77.5°	105.8	109.4	98.7	90.4	90.4
80°	76.1	79.7	69.0	70.2	69.0
82.5°	49.9	53.5	49.9	49.9	49.9
85°	27.4	29.7	32.1	33.3	33.3
87.5°	8.3	14.3	15.5	16.6	19.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)