

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: P297695

Luminaire Tested: **D3X-WG-26L83050-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297695
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-26L83050-LD5-UNV-14-T1-W2A-3500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2533.0 lumens
Efficiency: N/A
Efficacy: 106.4 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

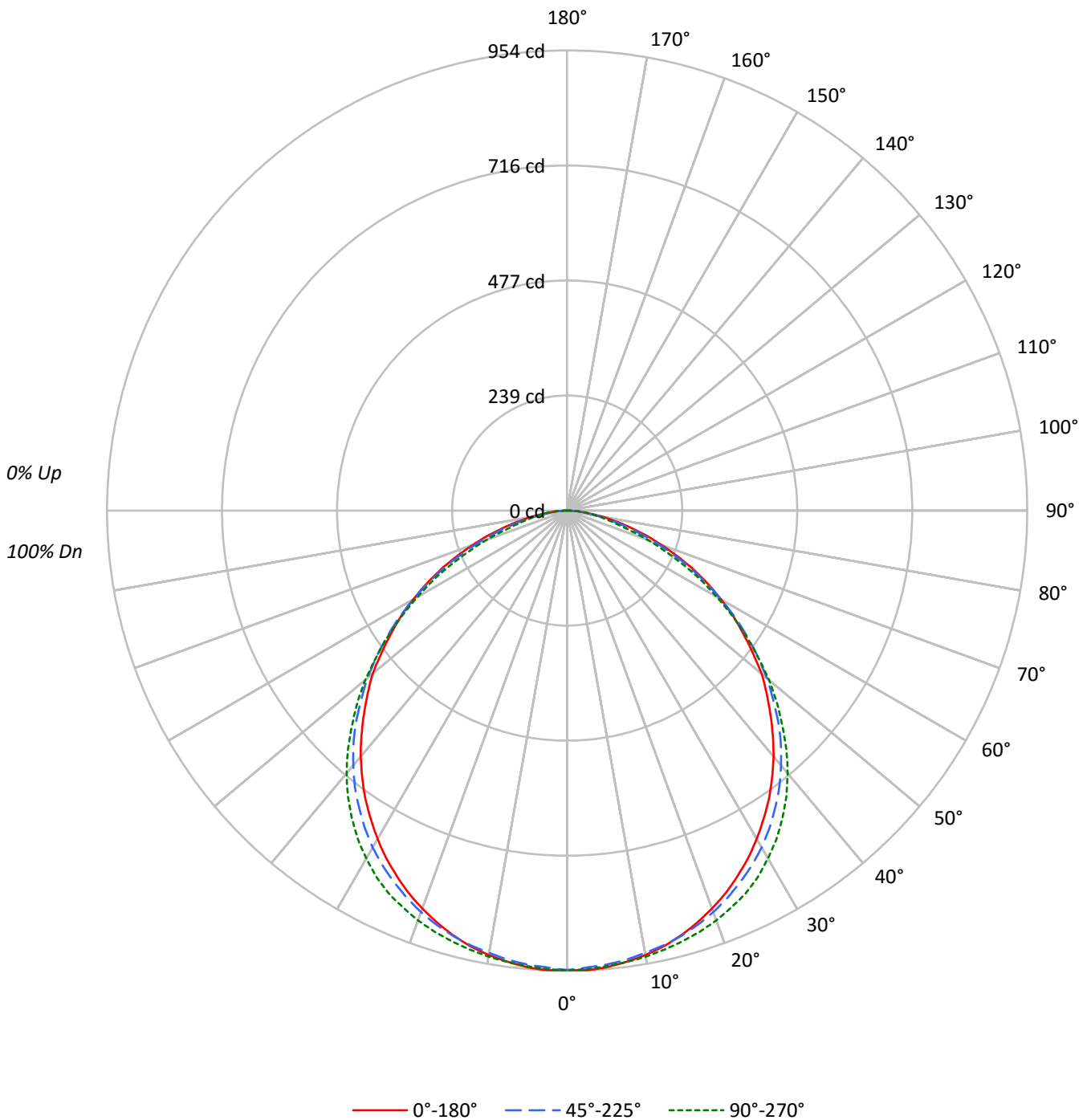
Input Watts (W): 23.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2563	2563	2563
5°	2567	2552	2561
10°	2557	2544	2566
15°	2540	2544	2575
20°	2514	2537	2588
25°	2482	2522	2600
30°	2443	2506	2587
35°	2396	2471	2556
40°	2340	2423	2499
45°	2267	2354	2401
50°	2205	2262	2286
55°	2094	2137	2126
60°	1981	1981	1926
65°	1839	1796	1695
70°	1631	1559	1408
75°	1413	1284	1083
80°	1159	1001	982
85°	769	911	979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	3.6
10°-20°	258.5	10.2
20°-30°	392.9	15.5
30°-40°	470.5	18.6
40°-50°	474.5	18.7
50°-60°	404.2	16.0
60°-70°	276.4	10.9
70°-80°	132.3	5.2
80°-90°	33.5	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°	741.5	29.3
0°-40°	1212.0	47.8
0°-60°	2090.8	82.5
0°-90°	2533.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2533.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	953	953	953	953	953	
5°	950	949	945	949	948	90
15°	912	910	913	923	924	257
25°	836	837	850	869	876	385
35°	730	732	752	774	778	456
45°	596	600	618	631	631	460
55°	446	449	455	456	453	400
65°	289	283	282	272	266	285
75°	136	134	124	108	104	145
85°	25	27	30	31	32	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	952.6	952.6	952.6	952.6	952.6
2.5°	953.7	952.6	948.1	952.6	951.5
5°	950.3	949.2	944.7	949.2	948.1
7.5°	943.6	942.4	939.0	943.6	943.6
10°	935.6	933.4	931.1	937.9	939.0
12.5°	925.4	923.2	923.2	931.1	932.2
15°	911.8	909.6	913.0	923.2	924.3
17.5°	896.0	894.8	900.5	913.0	915.2
20°	877.9	876.7	885.8	900.5	903.9
22.5°	858.6	858.6	868.8	885.8	890.3
25°	835.9	837.1	849.5	868.8	875.6
27.5°	812.2	814.4	829.1	850.7	856.3
30°	786.1	789.5	806.5	826.9	832.5
32.5°	757.8	761.2	780.4	802.0	807.6
35°	729.5	731.7	752.1	773.6	778.2
37.5°	697.8	701.2	722.7	741.9	746.5
40°	666.0	669.4	689.8	707.9	711.3
42.5°	630.9	635.5	655.8	670.6	672.8
45°	595.8	600.3	618.5	630.9	630.9
47.5°	560.7	563.0	578.8	591.3	590.1
50°	526.7	525.6	540.3	546.0	546.0
52.5°	484.8	488.2	498.4	501.8	498.4
55°	446.3	448.6	455.4	456.5	453.1
57.5°	408.9	407.8	413.4	410.0	405.5
60°	368.1	368.1	368.1	364.7	357.9
62.5°	328.5	326.2	325.1	317.2	313.8
65°	288.8	283.2	282.0	271.9	266.2
67.5°	246.9	244.7	239.0	228.8	218.6
70°	207.3	205.0	198.2	185.8	179.0
72.5°	171.0	168.8	159.7	145.0	135.9
75°	135.9	133.7	123.5	107.6	104.2
77.5°	103.1	101.9	91.7	83.8	82.7
80°	74.8	73.6	64.6	64.6	63.4
82.5°	47.6	47.6	45.3	46.4	47.6
85°	24.9	27.2	29.5	30.6	31.7
87.5°	7.9	12.5	14.7	15.9	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)