

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: P297555

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297555
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-3500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2537.0 lumens
Efficiency: N/A
Efficacy: 106.6 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

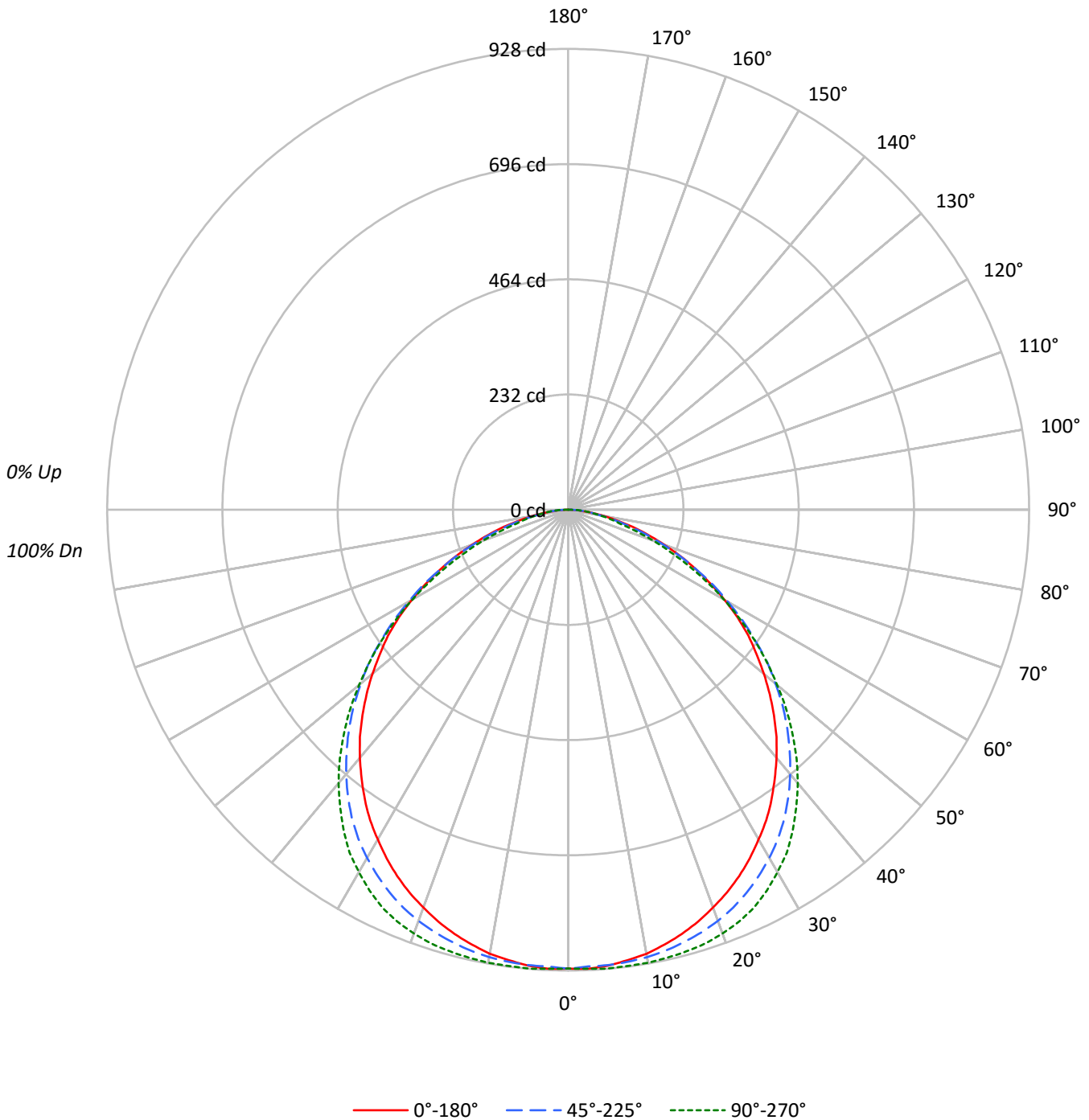
Input Watts (W): 23.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2487	2487	2487
5°	2490	2487	2505
10°	2482	2500	2531
15°	2464	2511	2565
20°	2442	2523	2601
25°	2417	2525	2626
30°	2382	2516	2618
35°	2344	2493	2589
40°	2291	2442	2526
45°	2228	2375	2431
50°	2152	2280	2299
55°	2077	2157	2146
60°	1956	1999	1950
65°	1803	1810	1709
70°	1613	1577	1434
75°	1402	1307	1107
80°	1124	1018	1018
85°	803	945	979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	3.5
10°-20°	255.1	10.1
20°-30°	391.7	15.4
30°-40°	471.7	18.6
40°-50°	476.7	18.8
50°-60°	406.6	16.0
60°-70°	278.3	11.0
70°-80°	134.3	5.3
80°-90°	34.6	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°	734.7	29.0
0°-40°	1206.4	47.6
0°-60°	2089.7	82.4
0°-90°	2537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2537.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	924	924	924	924	924	
5°	922	922	921	926	928	88
15°	884	891	901	917	921	249
25°	814	827	850	875	884	375
35°	714	729	759	782	788	446
45°	586	601	624	639	639	452
55°	443	451	460	462	458	394
65°	283	286	284	274	268	281
75°	135	135	126	111	106	143
85°	26	28	31	32	32	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	924.1	924.1	924.1	924.1	924.1
2.5°	925.2	924.1	920.7	925.2	925.2
5°	921.8	921.8	920.7	926.4	927.5
7.5°	915.0	917.3	918.4	925.2	926.4
10°	908.2	910.5	915.0	924.1	926.4
12.5°	896.9	901.4	909.4	921.8	924.1
15°	884.5	891.3	901.4	917.3	920.7
17.5°	869.7	878.8	892.4	910.5	916.2
20°	852.7	862.9	881.1	901.4	908.2
22.5°	834.6	846.0	867.5	891.3	898.0
25°	814.2	826.7	850.5	875.4	884.5
27.5°	791.6	805.2	831.2	857.3	865.2
30°	766.7	781.4	809.7	835.8	842.6
32.5°	741.8	756.5	785.9	810.8	818.8
35°	713.5	729.3	758.8	782.5	788.2
37.5°	682.9	698.7	728.2	752.0	754.2
40°	652.3	668.2	695.3	716.9	719.1
42.5°	620.6	635.3	660.2	678.3	680.6
45°	585.5	601.3	624.0	638.7	638.7
47.5°	550.4	566.2	585.5	595.7	595.7
50°	514.1	528.9	544.7	550.4	549.2
52.5°	477.9	491.5	505.1	506.2	503.9
55°	442.8	450.7	459.8	462.0	457.5
57.5°	404.3	411.1	416.7	413.4	410.0
60°	363.5	370.3	371.4	365.8	362.4
62.5°	323.9	329.5	329.5	320.5	314.8
65°	283.1	286.5	284.2	274.1	268.4
67.5°	244.6	246.9	242.3	232.2	223.1
70°	205.0	206.1	200.4	188.0	182.3
72.5°	168.7	169.9	163.1	148.4	141.6
75°	134.8	134.8	125.7	111.0	106.5
77.5°	100.8	104.2	94.0	86.1	86.1
80°	72.5	75.9	65.7	66.8	65.7
82.5°	47.6	51.0	47.6	47.6	47.6
85°	26.0	28.3	30.6	31.7	31.7
87.5°	7.9	13.6	14.7	15.9	18.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)