

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: P297586

Luminaire Tested: **D3X-WD-26L82765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297586
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-26L82765-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: 2533.0 lumens
Efficiency: N/A
Efficacy: 105.1 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

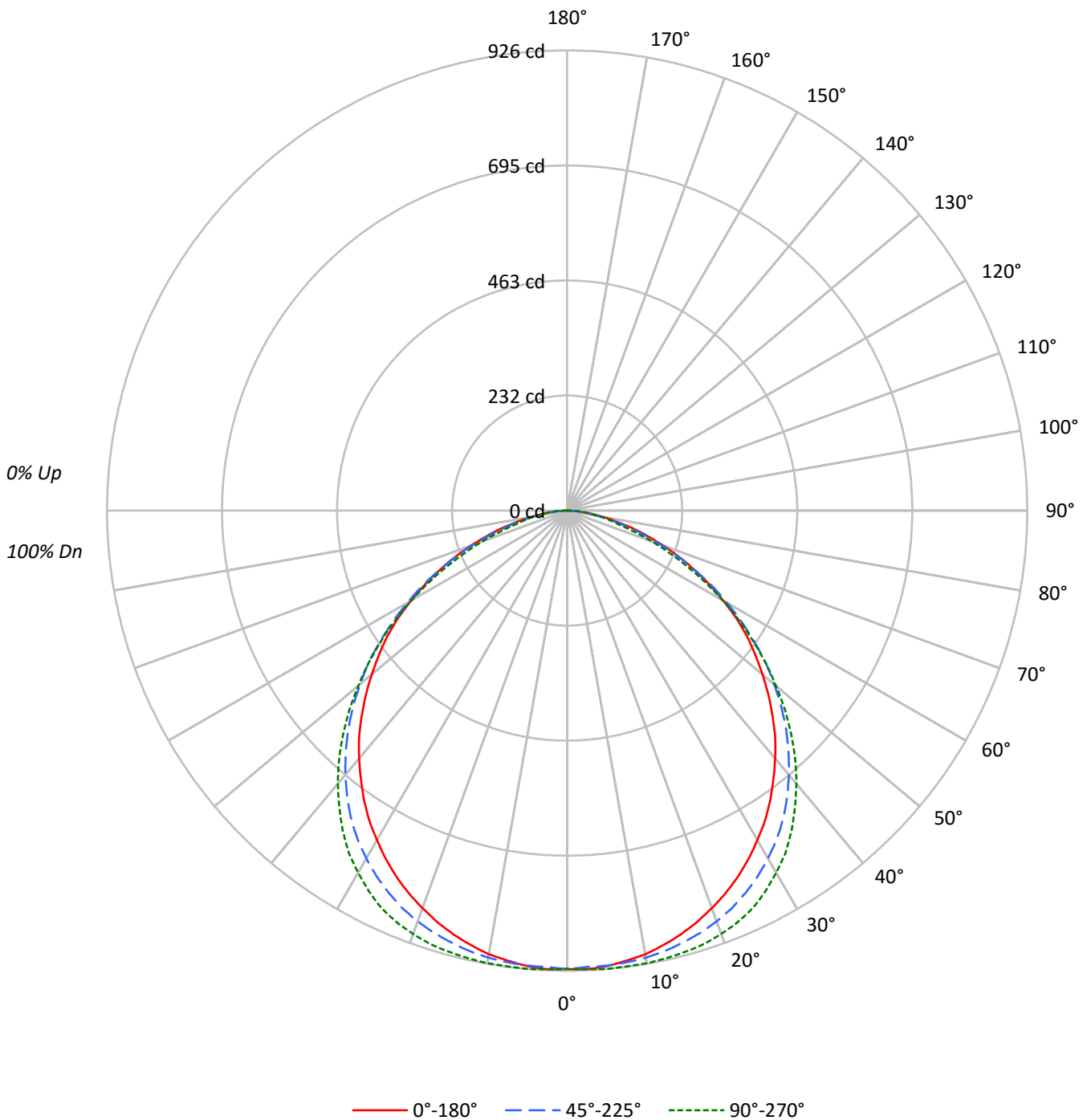
Input Watts (W): 24.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2483	2483	2483
5°	2486	2483	2501
10°	2478	2496	2527
15°	2460	2507	2561
20°	2438	2519	2597
25°	2414	2521	2622
30°	2379	2512	2614
35°	2340	2489	2585
40°	2288	2439	2522
45°	2225	2371	2427
50°	2149	2277	2296
55°	2074	2154	2143
60°	1953	1996	1947
65°	1800	1807	1706
70°	1611	1574	1432
75°	1399	1305	1105
80°	1122	1017	1017
85°	803	942	979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	3.5
10°-20°	254.7	10.1
20°-30°	391.1	15.4
30°-40°	471.0	18.6
40°-50°	475.9	18.8
50°-60°	406.0	16.0
60°-70°	277.9	11.0
70°-80°	134.1	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°	733.5	29.0
0°-40°	1204.5	47.6
0°-60°	2086.4	82.4
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°	923	923	923	923	923	
5°	920	920	919	925	926	87
15°	883	890	900	916	919	249
25°	813	825	849	874	883	374
35°	712	728	758	781	787	445
45°	585	600	623	638	638	451
55°	442	450	459	461	457	394
65°	283	286	284	274	268	280
75°	135	135	126	111	106	143
85°	26	28	30	32	32	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	922.6	922.6	922.6	922.6	922.6
2.5°	923.8	922.6	919.2	923.8	923.8
5°	920.4	920.4	919.2	924.9	926.0
7.5°	913.6	915.9	917.0	923.8	924.9
10°	906.8	909.1	913.6	922.6	924.9
12.5°	895.5	900.0	907.9	920.4	922.6
15°	883.1	889.8	900.0	915.9	919.2
17.5°	868.4	877.4	891.0	909.1	914.7
20°	851.4	861.6	879.7	900.0	906.8
22.5°	833.3	844.6	866.1	889.8	896.6
25°	813.0	825.4	849.1	874.0	883.1
27.5°	790.3	803.9	829.9	855.9	863.8
30°	765.5	780.2	808.4	834.4	841.2
32.5°	740.6	755.3	784.7	809.6	817.5
35°	712.3	728.2	757.6	781.3	787.0
37.5°	681.8	697.6	727.0	750.8	753.0
40°	651.3	667.1	694.2	715.7	718.0
42.5°	619.6	634.3	659.2	677.3	679.5
45°	584.6	600.4	623.0	637.7	637.7
47.5°	549.5	565.3	584.6	594.7	594.7
50°	513.3	528.0	543.9	549.5	548.4
52.5°	477.1	490.7	504.3	505.4	503.2
55°	442.1	450.0	459.1	461.3	456.8
57.5°	403.7	410.4	416.1	412.7	409.3
60°	362.9	369.7	370.9	365.2	361.8
62.5°	323.4	329.0	329.0	320.0	314.3
65°	282.7	286.1	283.8	273.6	268.0
67.5°	244.2	246.5	242.0	231.8	222.7
70°	204.7	205.8	200.1	187.7	182.0
72.5°	168.5	169.6	162.8	148.1	141.3
75°	134.6	134.6	125.5	110.8	106.3
77.5°	100.6	104.0	93.8	85.9	85.9
80°	72.4	75.8	65.6	66.7	65.6
82.5°	47.5	50.9	47.5	47.5	47.5
85°	26.0	28.3	30.5	31.7	31.7
87.5°	7.9	13.6	14.7	15.8	18.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)