

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: P297591

Luminaire Tested: **D3X-WD-26L82765-LD5-UNV-14-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297591
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-6500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2652.0 lumens
Efficiency: N/A
Efficacy: 106.9 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

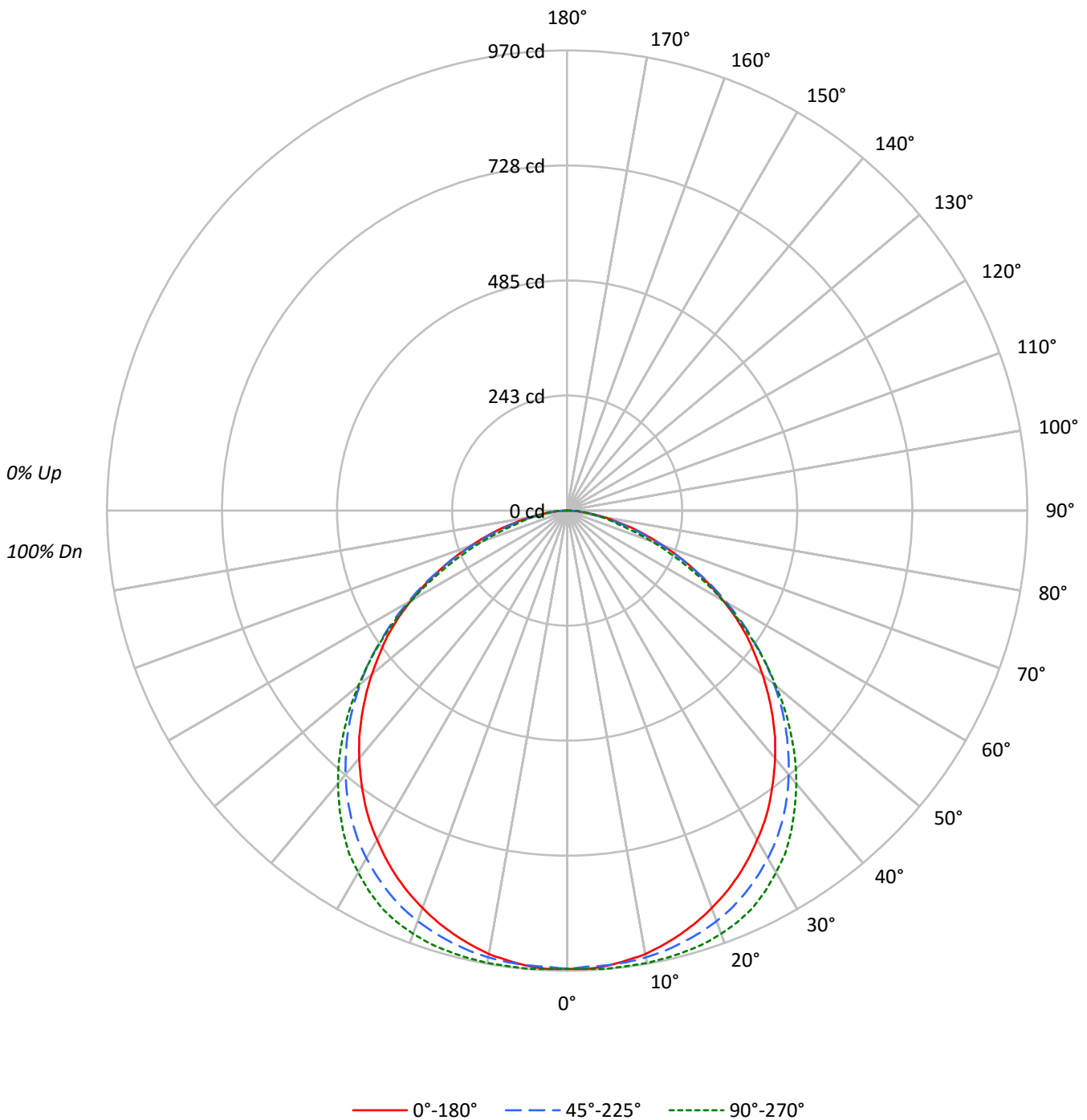
Input Watts (W): 24.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2599	2599	2599
5°	2603	2600	2619
10°	2594	2614	2646
15°	2576	2625	2681
20°	2553	2637	2719
25°	2527	2640	2745
30°	2490	2630	2737
35°	2450	2605	2707
40°	2395	2553	2641
45°	2329	2482	2541
50°	2250	2384	2403
55°	2172	2255	2244
60°	2045	2090	2039
65°	1885	1892	1787
70°	1686	1648	1500
75°	1465	1366	1157
80°	1175	1065	1065
85°	840	988	1022



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.9	3.5
10°-20°	266.7	10.1
20°-30°	409.4	15.4
30°-40°	493.1	18.6
40°-50°	498.3	18.8
50°-60°	425.0	16.0
60°-70°	291.0	11.0
70°-80°	140.4	5.3
80°-90°	36.2	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°	768.0	29.0
0°-40°	1261.1	47.6
0°-60°	2184.4	82.4
0°-90°	2652.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2652.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	964	964	962	968	970	91
15°	924	932	942	959	962	261
25°	851	864	889	915	924	392
35°	746	762	793	818	824	466
45°	612	629	652	668	668	472
55°	463	471	481	483	478	412
65°	296	300	297	286	281	294
75°	141	141	131	116	111	150
85°	27	30	32	33	33	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	966.0	966.0	966.0	966.0	966.0
2.5°	967.2	966.0	962.4	967.2	967.2
5°	963.6	963.6	962.4	968.3	969.5
7.5°	956.5	958.9	960.1	967.2	968.3
10°	949.4	951.8	956.5	966.0	968.3
12.5°	937.6	942.3	950.6	963.6	966.0
15°	924.5	931.7	942.3	958.9	962.4
17.5°	909.2	918.6	932.8	951.8	957.7
20°	891.4	902.1	921.0	942.3	949.4
22.5°	872.5	884.3	906.8	931.7	938.8
25°	851.2	864.2	889.0	915.1	924.5
27.5°	827.5	841.7	868.9	896.1	904.4
30°	801.4	816.8	846.4	873.6	880.7
32.5°	775.4	790.8	821.6	847.6	855.9
35°	745.8	762.4	793.1	818.0	823.9
37.5°	713.8	730.4	761.2	786.0	788.4
40°	681.9	698.4	726.9	749.3	751.7
42.5°	648.7	664.1	690.2	709.1	711.5
45°	612.0	628.6	652.3	667.7	667.7
47.5°	575.3	591.9	612.0	622.7	622.7
50°	537.4	552.8	569.4	575.3	574.1
52.5°	499.6	513.8	528.0	529.2	526.8
55°	462.9	471.2	480.6	483.0	478.3
57.5°	422.6	429.7	435.6	432.1	428.5
60°	380.0	387.1	388.3	382.4	378.8
62.5°	338.6	344.5	344.5	335.0	329.1
65°	296.0	299.5	297.1	286.5	280.6
67.5°	255.7	258.1	253.3	242.7	233.2
70°	214.3	215.5	209.5	196.5	190.6
72.5°	176.4	177.6	170.5	155.1	148.0
75°	140.9	140.9	131.4	116.0	111.3
77.5°	105.4	108.9	98.3	90.0	90.0
80°	75.8	79.3	68.7	69.8	68.7
82.5°	49.7	53.3	49.7	49.7	49.7
85°	27.2	29.6	32.0	33.1	33.1
87.5°	8.3	14.2	15.4	16.6	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)