

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: P297583

Luminaire Tested: **D3X-WD-26L82765-LD5-UNV-14-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297583
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-2700K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2328.0 lumens
Efficiency: N/A
Efficacy: 97.8 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

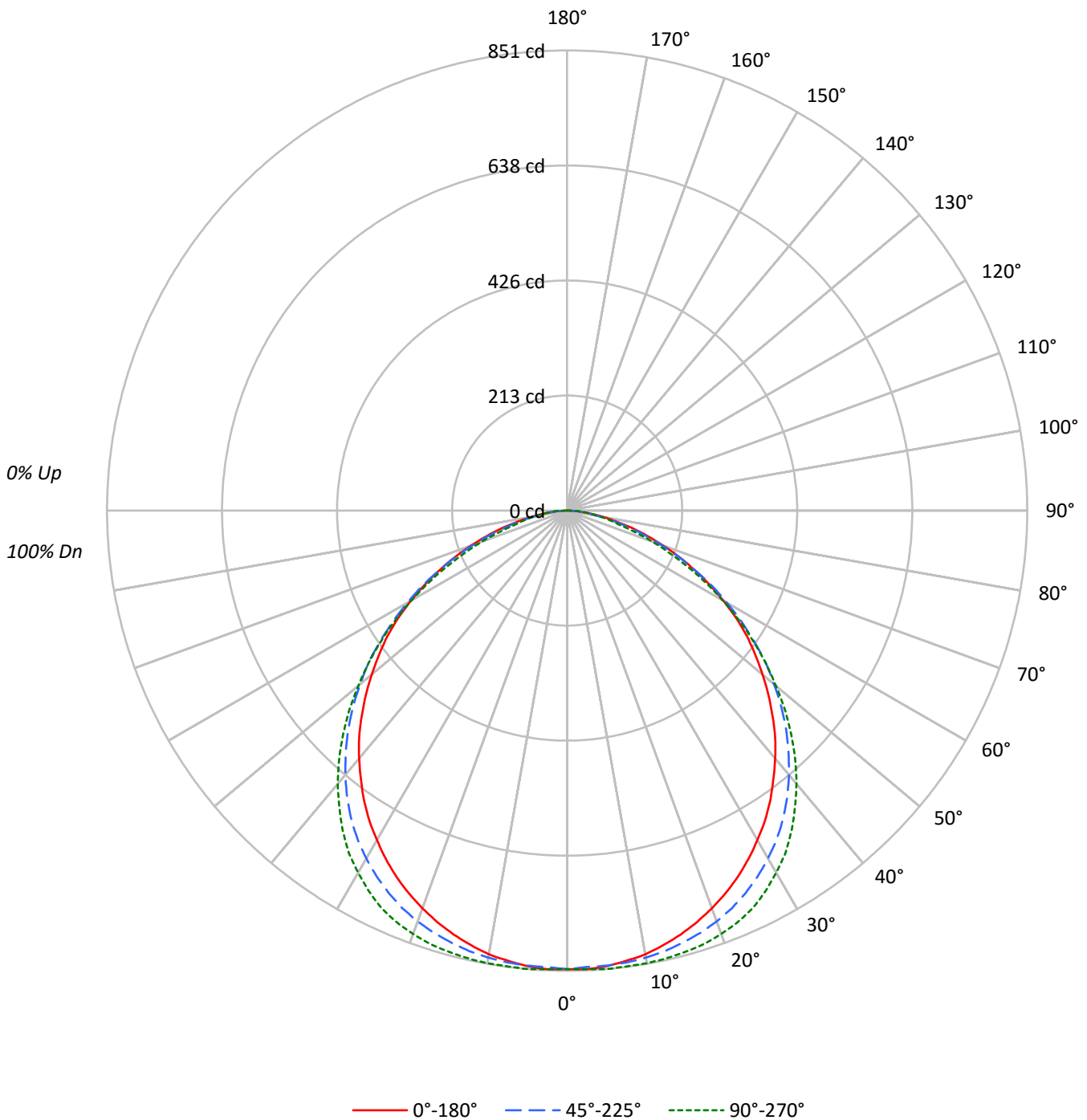
Input Watts (W): 23.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2282	2282	2282
5°	2285	2282	2299
10°	2277	2294	2323
15°	2261	2305	2354
20°	2241	2315	2387
25°	2219	2317	2410
30°	2186	2309	2402
35°	2151	2287	2376
40°	2103	2242	2318
45°	2045	2179	2230
50°	1975	2092	2110
55°	1906	1979	1970
60°	1795	1834	1790
65°	1654	1661	1568
70°	1480	1447	1316
75°	1286	1199	1016
80°	1031	934	934
85°	738	868	898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	3.5
10°-20°	234.1	10.1
20°-30°	359.4	15.4
30°-40°	432.9	18.6
40°-50°	437.4	18.8
50°-60°	373.1	16.0
60°-70°	255.4	11.0
70°-80°	123.3	5.3
80°-90°	31.8	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°	674.2	29.0
0°-40°	1107.0	47.6
0°-60°	1917.6	82.4
0°-90°	2328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2328.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	848	848	848	848	848	
5°	846	846	845	850	851	80
15°	812	818	827	842	845	229
25°	747	759	780	803	812	344
35°	655	669	696	718	723	409
45°	537	552	573	586	586	414
55°	406	414	422	424	420	362
65°	260	263	261	252	246	258
75°	124	124	115	102	98	131
85°	24	26	28	29	29	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	848.0	848.0	848.0	848.0	848.0
2.5°	849.0	848.0	844.8	849.0	849.0
5°	845.9	845.9	844.8	850.0	851.1
7.5°	839.7	841.7	842.8	849.0	850.0
10°	833.4	835.5	839.7	848.0	850.0
12.5°	823.0	827.2	834.5	845.9	848.0
15°	811.6	817.8	827.2	841.7	844.8
17.5°	798.1	806.4	818.9	835.5	840.7
20°	782.5	791.9	808.5	827.2	833.4
22.5°	765.9	776.3	796.0	817.8	824.1
25°	747.2	758.6	780.4	803.3	811.6
27.5°	726.4	738.9	762.8	786.7	793.9
30°	703.5	717.0	743.0	766.9	773.1
32.5°	680.7	694.2	721.2	744.0	751.3
35°	654.7	669.2	696.2	718.1	723.3
37.5°	626.6	641.2	668.2	690.0	692.1
40°	598.6	613.1	638.1	657.8	659.9
42.5°	569.5	583.0	605.8	622.5	624.5
45°	537.3	551.8	572.6	586.1	586.1
47.5°	505.0	519.6	537.3	546.6	546.6
50°	471.8	485.3	499.8	505.0	504.0
52.5°	438.5	451.0	463.5	464.5	462.4
55°	406.3	413.6	421.9	424.0	419.8
57.5°	371.0	377.2	382.4	379.3	376.2
60°	333.6	339.8	340.8	335.7	332.5
62.5°	297.2	302.4	302.4	294.1	288.9
65°	259.8	262.9	260.8	251.5	246.3
67.5°	224.5	226.5	222.4	213.0	204.7
70°	188.1	189.1	183.9	172.5	167.3
72.5°	154.8	155.9	149.6	136.1	129.9
75°	123.7	123.7	115.3	101.8	97.7
77.5°	92.5	95.6	86.3	79.0	79.0
80°	66.5	69.6	60.3	61.3	60.3
82.5°	43.6	46.8	43.6	43.6	43.6
85°	23.9	26.0	28.1	29.1	29.1
87.5°	7.3	12.5	13.5	14.5	16.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)