

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: P297626

Luminaire Tested: **D3X-WD-26L93050-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297626
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-26L93050-LD5-UNV-14-T1-W2A-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2329.0 lumens
Efficiency: N/A
Efficacy: 95.1 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

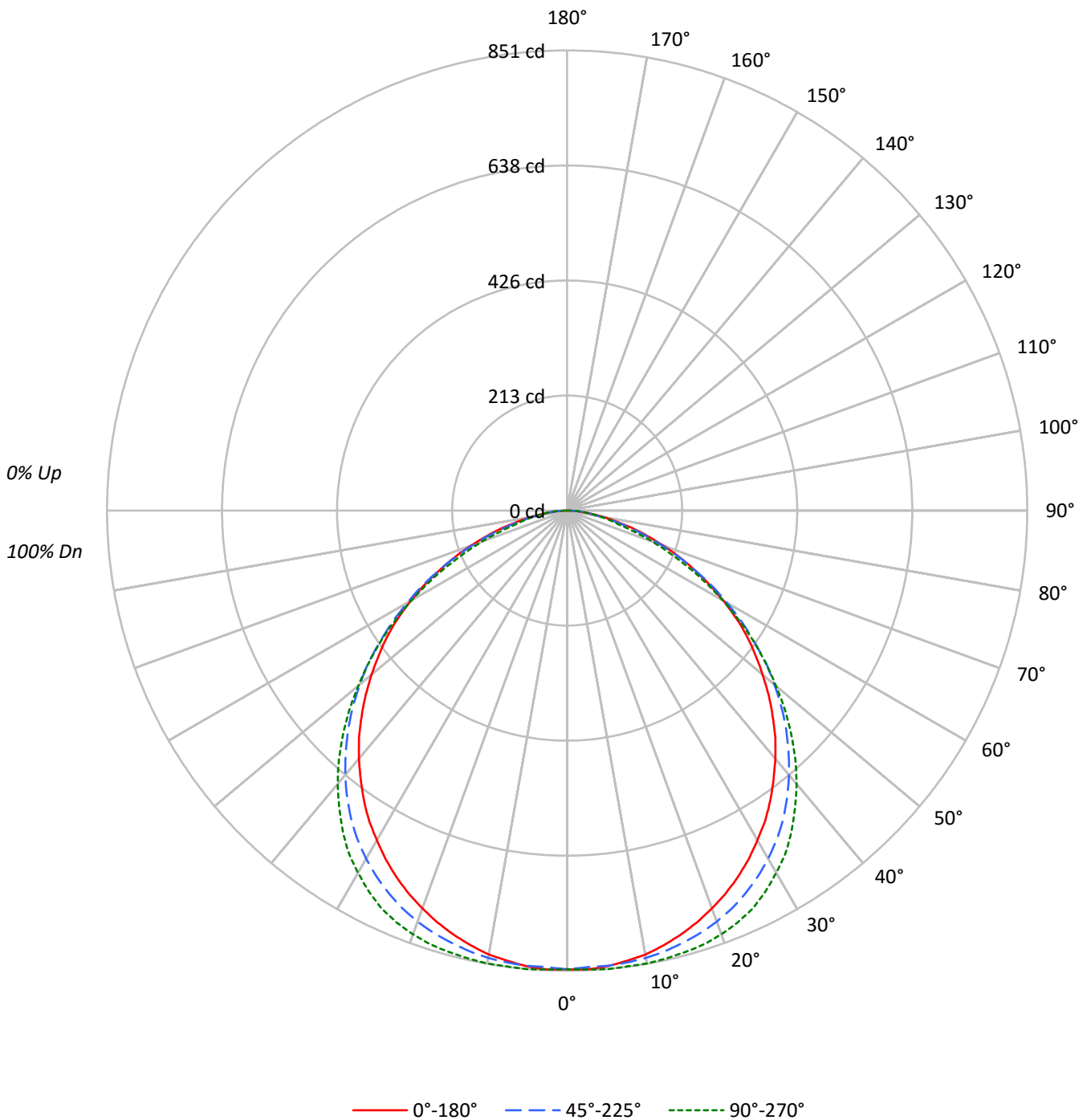
Input Watts (W): 24.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2283	2283	2283
5°	2286	2283	2300
10°	2278	2295	2324
15°	2262	2305	2355
20°	2242	2316	2388
25°	2219	2318	2411
30°	2187	2310	2403
35°	2152	2288	2377
40°	2103	2242	2319
45°	2046	2180	2231
50°	1976	2094	2111
55°	1907	1980	1970
60°	1796	1835	1791
65°	1655	1661	1569
70°	1481	1448	1317
75°	1286	1200	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°	234.2	10.1
20°-30°	359.6	15.4
30°-40°	433.1	18.6
40°-50°	437.6	18.8
50°-60°	373.3	16.0
60°-70°	255.5	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°	674.4	29.0
0°-40°	1107.5	47.6
0°-60°	1918.4	82.4
0°-90°	2329.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2329.0	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	828	842	845	229
25°	748	759	781	804	812	344
35°	655	670	696	718	724	409
45°	538	552	573	586	586	415
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°	848.3	848.3	848.3	848.3	848.3
2.5°	849.4	848.3	845.2	849.4	849.4
5°	846.3	846.3	845.2	850.4	851.4
7.5°	840.0	842.1	843.1	849.4	850.4
10°	833.8	835.9	840.0	848.3	850.4
12.5°	823.4	827.5	834.8	846.3	848.3
15°	811.9	818.2	827.5	842.1	845.2
17.5°	798.4	806.7	819.2	835.9	841.1
20°	782.8	792.2	808.8	827.5	833.8
22.5°	766.2	776.6	796.3	818.2	824.4
25°	747.5	758.9	780.8	803.6	811.9
27.5°	726.7	739.2	763.1	787.0	794.3
30°	703.8	717.3	743.3	767.2	773.5
32.5°	681.0	694.5	721.5	744.4	751.6
35°	655.0	669.5	696.5	718.4	723.6
37.5°	626.9	641.4	668.5	690.3	692.4
40°	598.8	613.4	638.3	658.1	660.2
42.5°	569.7	583.2	606.1	622.7	624.8
45°	537.5	552.0	572.8	586.3	586.3
47.5°	505.3	519.8	537.5	546.8	546.8
50°	472.0	485.5	500.1	505.3	504.2
52.5°	438.7	451.2	463.7	464.7	462.6
55°	406.5	413.8	422.1	424.2	420.0
57.5°	371.1	377.4	382.6	379.5	376.3
60°	333.7	340.0	341.0	335.8	332.7
62.5°	297.3	302.5	302.5	294.2	289.0
65°	259.9	263.0	260.9	251.6	246.4
67.5°	224.6	226.6	222.5	213.1	204.8
70°	188.2	189.2	184.0	172.6	167.4
72.5°	154.9	155.9	149.7	136.2	130.0
75°	123.7	123.7	115.4	101.9	97.7
77.5°	92.5	95.6	86.3	79.0	79.0
80°	66.5	69.7	60.3	61.3	60.3
82.5°	43.7	46.8	43.7	43.7	43.7
85°	23.9	26.0	28.1	29.1	29.1
87.5°	7.3	12.5	13.5	14.6	16.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)