

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: P297627

Luminaire Tested: **D3X-WD-26L93050-LD5-UNV-14-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297627
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-4500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2370.0 lumens
Efficiency: N/A
Efficacy: 95.6 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

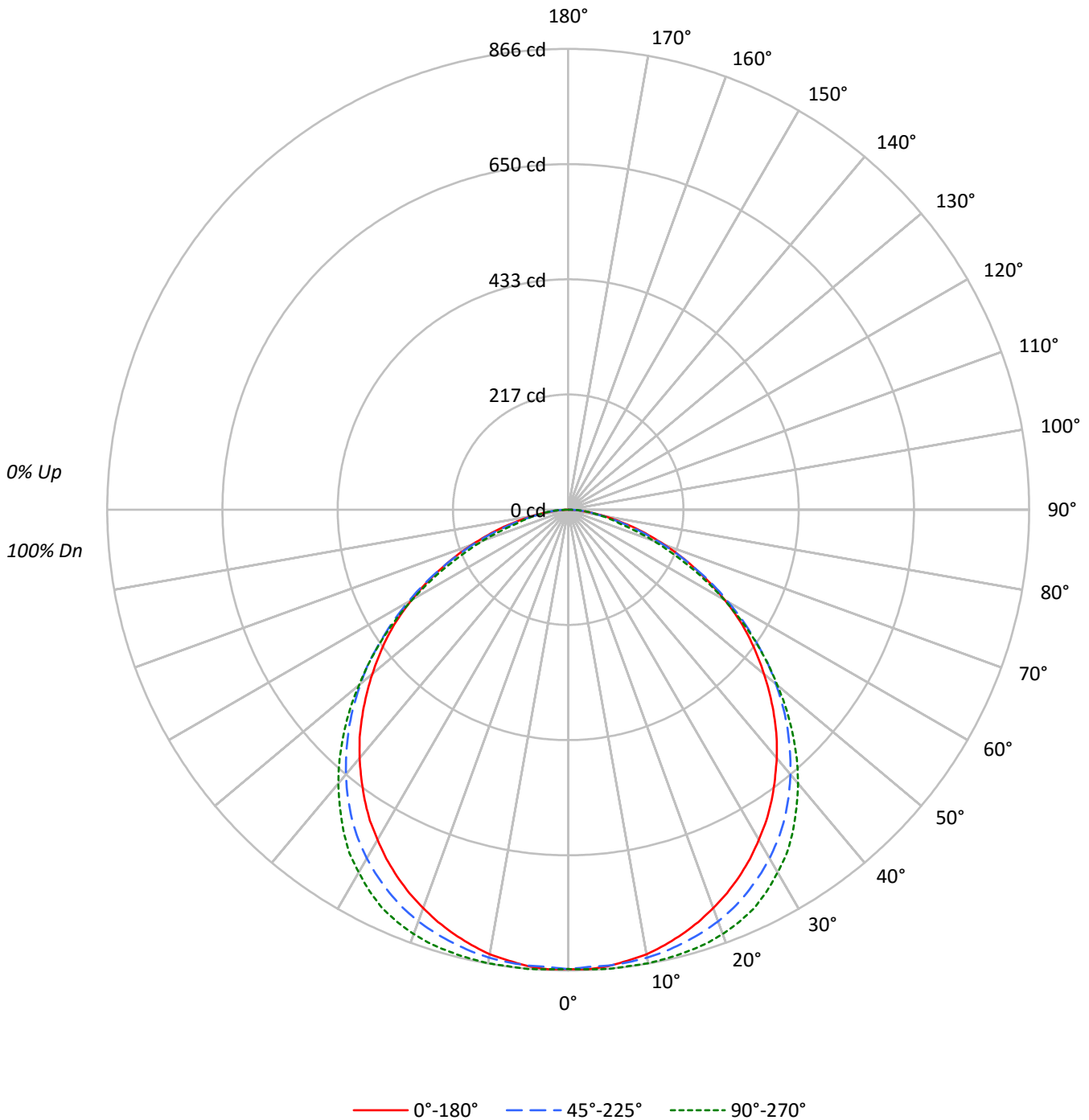
Input Watts (W): 24.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2323	2323	2323
5°	2326	2323	2340
10°	2319	2336	2365
15°	2302	2346	2396
20°	2281	2357	2430
25°	2258	2359	2453
30°	2225	2350	2446
35°	2190	2328	2419
40°	2141	2282	2360
45°	2081	2218	2271
50°	2011	2130	2148
55°	1940	2015	2005
60°	1828	1868	1822
65°	1684	1691	1596
70°	1507	1474	1340
75°	1309	1221	1033
80°	1049	951	951
85°	750	883	914



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.1	3.5
10°-20°	238.3	10.1
20°-30°	365.9	15.4
30°-40°	440.7	18.6
40°-50°	445.3	18.8
50°-60°	379.8	16.0
60°-70°	260.0	11.0
70°-80°	125.5	5.3
80°-90°	32.3	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°	686.3	29.0
0°-40°	1127.0	47.6
0°-60°	1952.2	82.4
0°-90°	2370.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2370.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	863	863	863	863	863	
5°	861	861	860	865	866	82
15°	826	833	842	857	860	233
25°	761	772	794	818	826	350
35°	666	681	709	731	736	416
45°	547	562	583	597	597	422
55°	414	421	430	432	427	368
65°	264	268	266	256	251	262
75°	126	126	117	104	99	134
85°	24	26	29	30	30	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	863.3	863.3	863.3	863.3	863.3
2.5°	864.3	863.3	860.1	864.3	864.3
5°	861.1	861.1	860.1	865.4	866.4
7.5°	854.8	856.9	858.0	864.3	865.4
10°	848.5	850.6	854.8	863.3	865.4
12.5°	837.9	842.1	849.5	861.1	863.3
15°	826.2	832.6	842.1	856.9	860.1
17.5°	812.5	820.9	833.6	850.6	855.9
20°	796.6	806.1	823.1	842.1	848.5
22.5°	779.7	790.3	810.4	832.6	838.9
25°	760.6	772.3	794.5	817.8	826.2
27.5°	739.5	752.2	776.5	800.8	808.3
30°	716.2	730.0	756.4	780.7	787.1
32.5°	692.9	706.7	734.2	757.5	764.9
35°	666.5	681.3	708.8	731.0	736.3
37.5°	637.9	652.7	680.2	702.5	704.6
40°	609.4	624.2	649.6	669.7	671.8
42.5°	579.7	593.5	616.8	633.7	635.8
45°	546.9	561.8	582.9	596.7	596.7
47.5°	514.1	529.0	546.9	556.5	556.5
50°	480.3	494.0	508.9	514.1	513.1
52.5°	446.4	459.1	471.8	472.9	470.8
55°	413.6	421.1	429.5	431.6	427.4
57.5°	377.7	384.0	389.3	386.1	383.0
60°	339.6	345.9	347.0	341.7	338.5
62.5°	302.6	307.9	307.9	299.4	294.1
65°	264.5	267.7	265.5	256.0	250.7
67.5°	228.5	230.6	226.4	216.9	208.4
70°	191.5	192.5	187.3	175.6	170.3
72.5°	157.6	158.7	152.3	138.6	132.2
75°	125.9	125.9	117.4	103.7	99.4
77.5°	94.2	97.3	87.8	80.4	80.4
80°	67.7	70.9	61.4	62.4	61.4
82.5°	44.4	47.6	44.4	44.4	44.4
85°	24.3	26.4	28.6	29.6	29.6
87.5°	7.4	12.7	13.8	14.8	16.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)