

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: P297661

Luminaire Tested: **D3X-WD-26L92765-LD5-UNV-14-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297661
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-26L92765-LD5-UNV-14-T1-W2A-6500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2408.0 lumens
Efficiency: N/A
Efficacy: 96.7 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

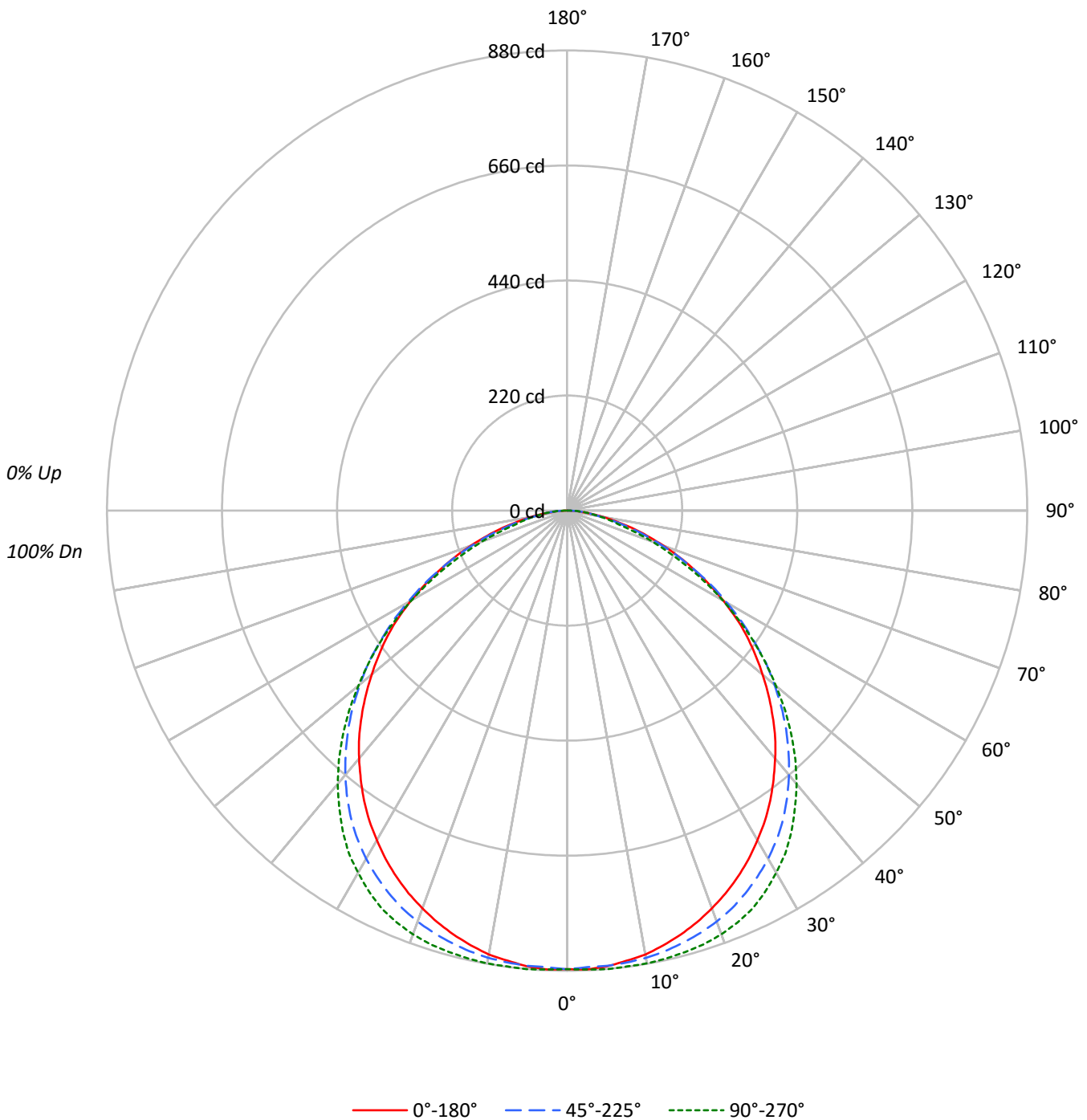
Input Watts (W): 24.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2360	2360	2360
5°	2364	2361	2378
10°	2356	2373	2403
15°	2339	2384	2435
20°	2318	2395	2469
25°	2295	2397	2493
30°	2261	2388	2485
35°	2225	2366	2458
40°	2175	2318	2398
45°	2115	2254	2307
50°	2043	2164	2182
55°	1972	2047	2038
60°	1857	1898	1851
65°	1711	1718	1622
70°	1531	1497	1362
75°	1330	1240	1050
80°	1066	965	965
85°	763	895	929



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	3.5
10°-20°	242.1	10.1
20°-30°	371.8	15.4
30°-40°	447.7	18.6
40°-50°	452.5	18.8
50°-60°	385.9	16.0
60°-70°	264.2	11.0
70°-80°	127.5	5.3
80°-90°	32.8	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°	697.3	29.0
0°-40°	1145.1	47.6
0°-60°	1983.5	82.4
0°-90°	2408.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2408.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	877	877	877	877	877	
5°	875	875	874	879	880	83
15°	840	846	856	871	874	237
25°	773	785	807	831	840	356
35°	677	692	720	743	748	423
45°	556	571	592	606	606	429
55°	420	428	436	439	434	374
65°	269	272	270	260	255	267
75°	128	128	119	105	101	136
85°	25	27	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°	877.1	877.1	877.1	877.1	877.1
2.5°	878.2	877.1	873.9	878.2	878.2
5°	875.0	875.0	873.9	879.3	880.3
7.5°	868.5	870.7	871.7	878.2	879.3
10°	862.1	864.2	868.5	877.1	879.3
12.5°	851.3	855.6	863.1	875.0	877.1
15°	839.5	845.9	855.6	870.7	873.9
17.5°	825.5	834.1	847.0	864.2	869.6
20°	809.4	819.1	836.3	855.6	862.1
22.5°	792.2	802.9	823.4	845.9	852.4
25°	772.8	784.7	807.2	830.9	839.5
27.5°	751.3	764.2	789.0	813.7	821.2
30°	727.7	741.7	768.5	793.3	799.7
32.5°	704.0	718.0	746.0	769.6	777.1
35°	677.2	692.2	720.2	742.7	748.1
37.5°	648.2	663.2	691.2	713.7	715.9
40°	619.1	634.2	660.0	680.4	682.6
42.5°	589.0	603.0	626.7	643.9	646.0
45°	555.7	570.8	592.3	606.2	606.2
47.5°	522.4	537.4	555.7	565.4	565.4
50°	488.0	502.0	517.0	522.4	521.3
52.5°	453.6	466.5	479.4	480.5	478.3
55°	420.3	427.8	436.4	438.6	434.3
57.5°	383.7	390.2	395.6	392.3	389.1
60°	345.0	351.5	352.6	347.2	344.0
62.5°	307.4	312.8	312.8	304.2	298.8
65°	268.7	271.9	269.8	260.1	254.7
67.5°	232.2	234.3	230.0	220.4	211.8
70°	194.6	195.6	190.3	178.4	173.1
72.5°	160.2	161.2	154.8	140.8	134.4
75°	127.9	127.9	119.3	105.3	101.0
77.5°	95.7	98.9	89.2	81.7	81.7
80°	68.8	72.0	62.3	63.4	62.3
82.5°	45.1	48.4	45.1	45.1	45.1
85°	24.7	26.9	29.0	30.1	30.1
87.5°	7.5	12.9	14.0	15.0	17.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)