

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: P297724

Luminaire Tested: **D3X-WG-26L82765-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297724
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-26L82765-LD5-UNV-14-T1-W2A-3000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2391.0 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

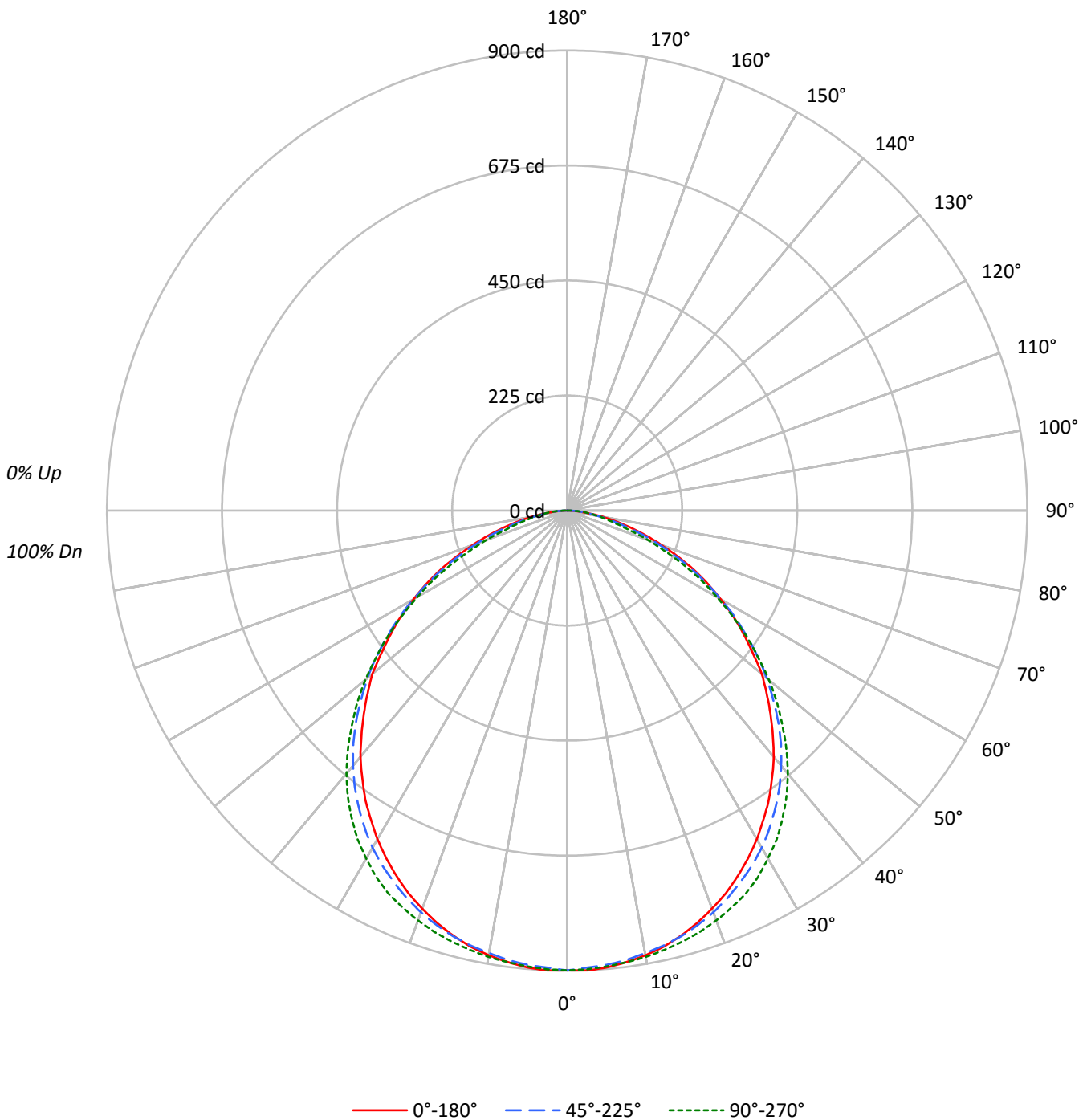
Input Watts (W): 23.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2420	2420	2420
5°	2423	2409	2417
10°	2413	2402	2422
15°	2398	2401	2431
20°	2373	2394	2443
25°	2343	2381	2454
30°	2306	2366	2442
35°	2262	2332	2413
40°	2209	2288	2359
45°	2140	2222	2267
50°	2081	2135	2158
55°	1977	2016	2007
60°	1870	1870	1819
65°	1736	1695	1600
70°	1540	1472	1329
75°	1334	1211	1023
80°	1094	944	928
85°	726	858	923



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	3.6
10°-20°	244.0	10.2
20°-30°	370.9	15.5
30°-40°	444.1	18.6
40°-50°	448.0	18.7
50°-60°	381.6	16.0
60°-70°	260.9	10.9
70°-80°	124.9	5.2
80°-90°	31.6	1.3
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°	700.0	29.3
0°-40°	1144.1	47.8
0°-60°	1973.6	82.5
0°-90°	2391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2391.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	899	899	899	899	899	
5°	897	896	892	896	895	85
15°	861	859	862	871	872	243
25°	789	790	802	820	826	364
35°	689	691	710	730	735	430
45°	562	567	584	596	596	434
55°	421	423	430	431	428	377
65°	273	267	266	257	251	269
75°	128	126	116	102	98	137
85°	24	26	28	29	30	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	899.2	899.2	899.2	899.2	899.2
2.5°	900.3	899.2	894.9	899.2	898.1
5°	897.1	896.0	891.7	896.0	894.9
7.5°	890.7	889.6	886.4	890.7	890.7
10°	883.2	881.0	878.9	885.3	886.4
12.5°	873.5	871.4	871.4	878.9	880.0
15°	860.7	858.6	861.8	871.4	872.5
17.5°	845.7	844.7	850.0	861.8	863.9
20°	828.6	827.6	836.1	850.0	853.2
22.5°	810.5	810.5	820.1	836.1	840.4
25°	789.1	790.2	801.9	820.1	826.5
27.5°	766.6	768.8	782.7	803.0	808.3
30°	742.0	745.2	761.3	780.5	785.9
32.5°	715.3	718.5	736.7	757.0	762.4
35°	688.6	690.7	710.0	730.3	734.6
37.5°	658.6	661.8	682.2	700.3	704.6
40°	628.7	631.9	651.2	668.3	671.5
42.5°	595.6	599.8	619.1	633.0	635.1
45°	562.4	566.7	583.8	595.6	595.6
47.5°	529.3	531.4	546.4	558.1	557.1
50°	497.2	496.1	510.0	515.4	515.4
52.5°	457.6	460.8	470.5	473.7	470.5
55°	421.3	423.4	429.8	430.9	427.7
57.5°	386.0	384.9	390.3	387.1	382.8
60°	347.5	347.5	347.5	344.3	337.9
62.5°	310.1	307.9	306.9	299.4	296.2
65°	272.7	267.3	266.2	256.6	251.3
67.5°	233.1	231.0	225.6	216.0	206.4
70°	195.7	193.5	187.1	175.4	168.9
72.5°	161.5	159.3	150.8	136.9	128.3
75°	128.3	126.2	116.5	101.6	98.4
77.5°	97.3	96.2	86.6	79.1	78.1
80°	70.6	69.5	60.9	60.9	59.9
82.5°	44.9	44.9	42.8	43.8	44.9
85°	23.5	25.7	27.8	28.9	29.9
87.5°	7.5	11.8	13.9	15.0	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)