

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: P297866

Luminaire Tested: **D3X-WO-26L82765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297866
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-26L82765-LD5-UNV-14-T1-W2A-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2667.0 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

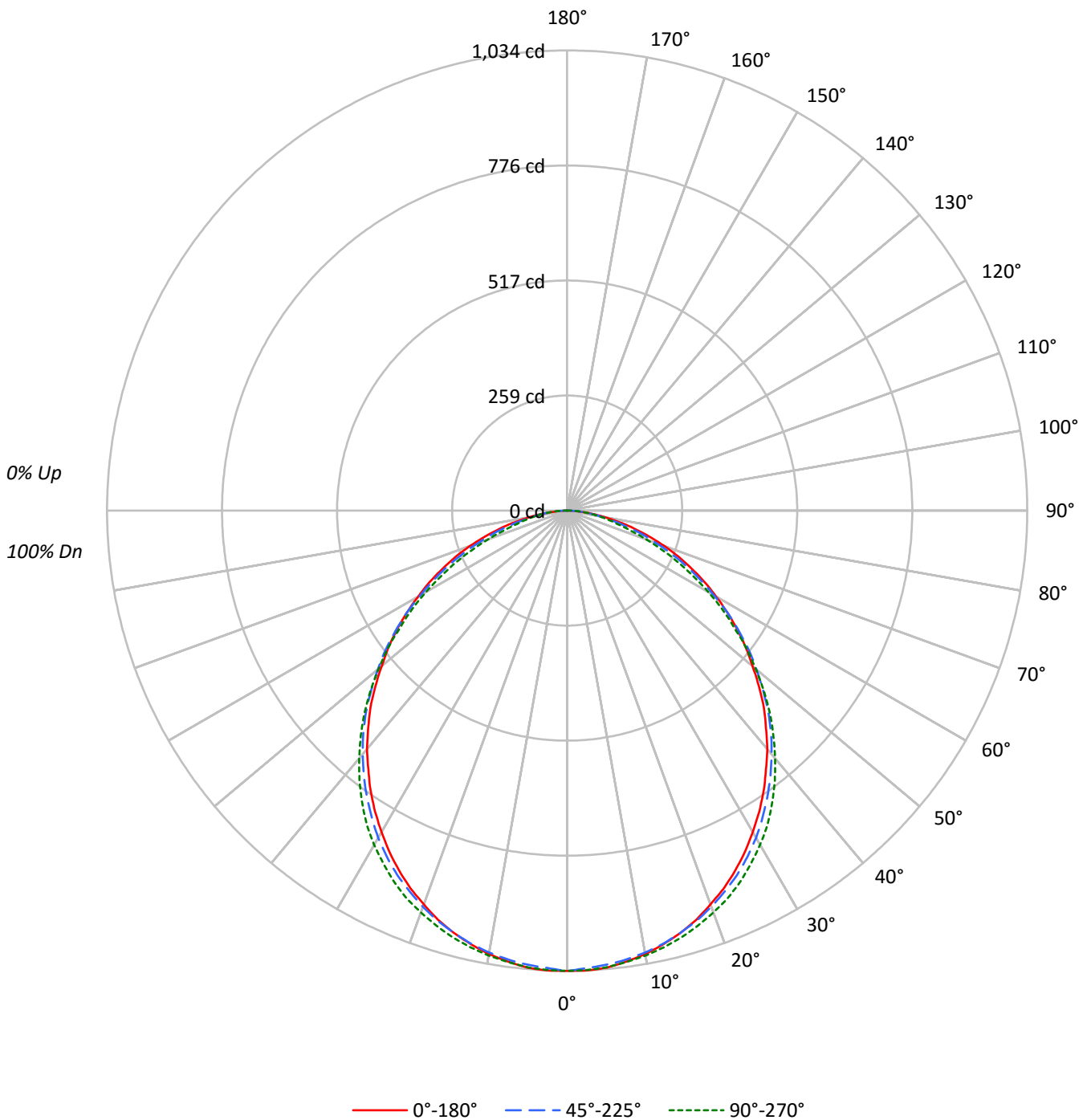
Input Watts (W): 24.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2784	2784	2784
5°	2785	2767	2782
10°	2765	2755	2774
15°	2737	2737	2765
20°	2697	2713	2752
25°	2652	2682	2733
30°	2592	2638	2694
35°	2529	2577	2637
40°	2458	2510	2553
45°	2379	2431	2452
50°	2277	2324	2314
55°	2190	2206	2148
60°	2081	2051	1971
65°	1965	1886	1756
70°	1824	1672	1485
75°	1622	1434	1223
80°	1350	1173	1139
85°	979	1047	1047



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	3.7
10°-20°	278.1	10.4
20°-30°	416.8	15.6
30°-40°	491.0	18.4
40°-50°	489.8	18.4
50°-60°	416.6	15.6
60°-70°	290.7	10.9
70°-80°	147.8	5.5
80°-90°	38.6	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°	792.5	29.7
0°-40°	1283.5	48.1
0°-60°	2189.9	82.1
0°-90°	2667.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2667.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1034	1034	1034	1034	1034	
5°	1031	1029	1024	1030	1030	98
15°	982	982	982	992	993	277
25°	893	894	903	917	920	411
35°	770	771	785	800	803	481
45°	625	627	639	643	644	481
55°	467	467	470	464	458	417
65°	309	304	296	280	276	306
75°	156	150	138	121	118	166
85°	32	33	34	34	34	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1034.4	1034.4	1034.4	1034.4	1034.4
2.5°	1034.4	1033.3	1028.8	1033.3	1033.3
5°	1031.0	1028.8	1024.3	1029.9	1029.9
7.5°	1022.0	1020.9	1017.5	1023.1	1023.1
10°	1011.8	1010.7	1008.4	1015.2	1015.2
12.5°	998.3	998.3	997.1	1003.9	1005.0
15°	982.4	982.4	982.4	991.5	992.6
17.5°	964.3	963.2	966.6	976.8	977.9
20°	941.7	942.9	947.4	958.7	961.0
22.5°	919.1	920.3	925.9	939.5	942.9
25°	893.1	894.3	903.3	916.9	920.3
27.5°	864.9	867.1	877.3	892.0	894.3
30°	834.3	836.6	849.0	863.7	867.1
32.5°	802.7	806.1	817.4	833.2	837.7
35°	769.9	771.0	784.6	800.4	802.7
37.5°	733.7	737.1	750.7	764.2	766.5
40°	699.8	702.1	714.5	725.8	726.9
42.5°	661.4	664.8	678.3	686.2	686.2
45°	625.2	627.4	638.8	643.3	644.4
47.5°	584.5	586.7	596.9	599.2	599.2
50°	543.8	549.4	555.1	555.1	552.8
52.5°	506.5	507.6	514.4	509.9	507.6
55°	466.9	466.9	470.3	463.5	457.9
57.5°	427.3	427.3	427.3	418.3	413.8
60°	386.6	385.5	381.0	369.7	366.3
62.5°	348.2	344.8	338.0	326.7	319.9
65°	308.6	304.1	296.2	280.4	275.8
67.5°	271.3	263.4	254.4	239.7	231.8
70°	231.8	225.0	212.5	195.6	188.8
72.5°	193.3	186.5	176.4	159.4	149.2
75°	156.0	150.4	137.9	121.0	117.6
77.5°	119.8	116.4	104.0	96.1	95.0
80°	87.1	85.9	75.7	73.5	73.5
82.5°	57.7	56.5	53.1	53.1	52.0
85°	31.7	32.8	33.9	33.9	33.9
87.5°	11.3	13.6	15.8	15.8	15.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)