

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: P297933

Luminaire Tested: **D3X-WO-26L92765-LD5-UNV-14-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297933
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-26L92765-LD5-UNV-14-T1-W2A-2700K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2094.0 lumens
Efficiency: N/A
Efficacy: 88.4 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

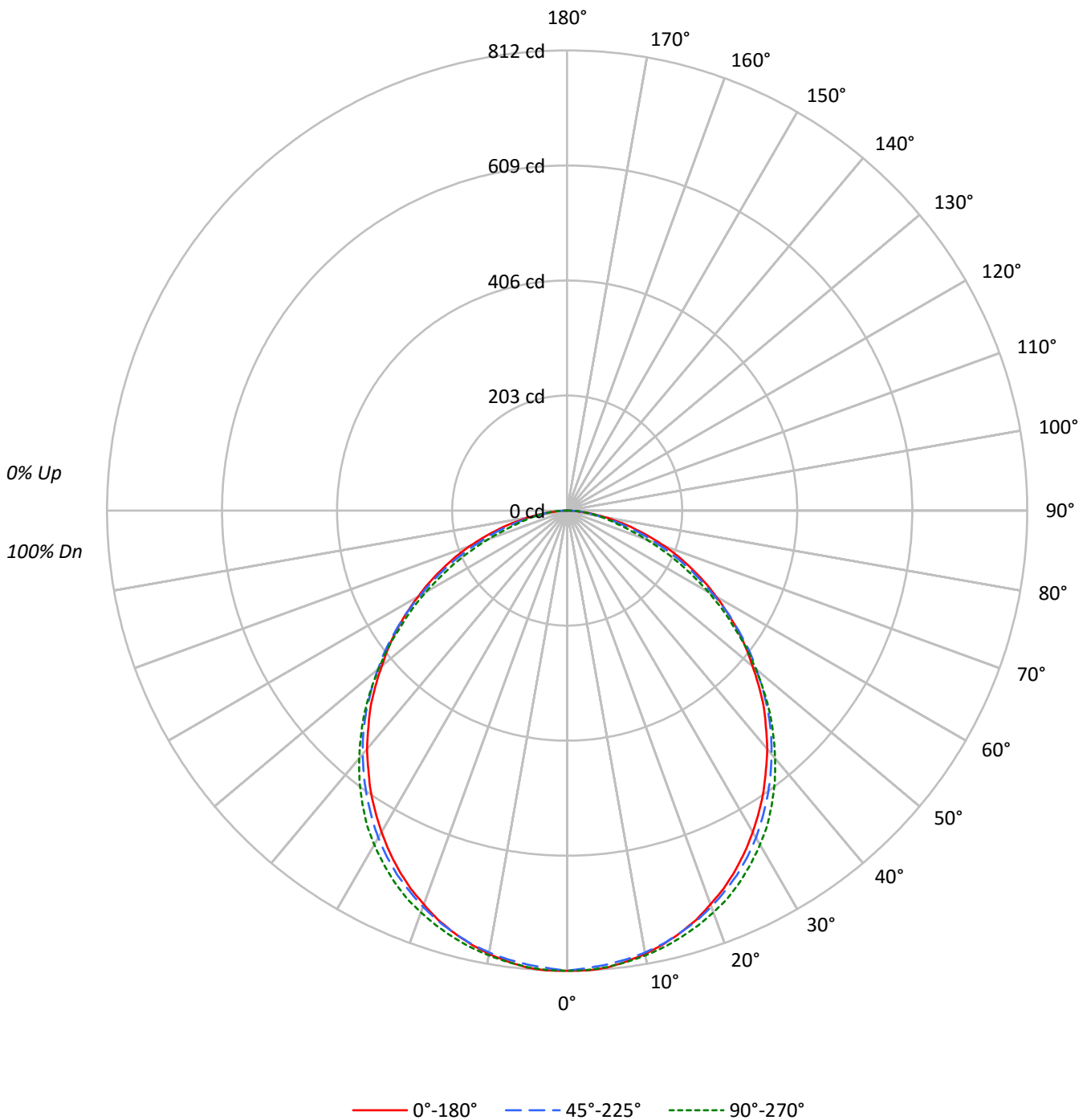
Input Watts (W): 23.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	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	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	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	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2186	2186	2186
5°	2187	2172	2184
10°	2171	2164	2178
15°	2149	2149	2171
20°	2117	2130	2161
25°	2082	2106	2145
30°	2036	2071	2115
35°	1986	2024	2070
40°	1930	1971	2005
45°	1868	1909	1926
50°	1788	1824	1817
55°	1720	1733	1687
60°	1634	1610	1548
65°	1543	1481	1379
70°	1432	1313	1166
75°	1274	1126	960
80°	1058	922	894
85°	769	821	821



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	3.7
10°-20°	218.3	10.4
20°-30°	327.2	15.6
30°-40°	385.5	18.4
40°-50°	384.5	18.4
50°-60°	327.1	15.6
60°-70°	228.3	10.9
70°-80°	116.1	5.5
80°-90°	30.3	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°	622.2	29.7
0°-40°	1007.8	48.1
0°-60°	1719.4	82.1
0°-90°	2094.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2094.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	812	812	812	812	812	
5°	810	808	804	809	809	77
15°	771	771	771	778	779	217
25°	701	702	709	720	722	323
35°	604	605	616	628	630	378
45°	491	493	502	505	506	378
55°	367	367	369	364	360	328
65°	242	239	233	220	217	240
75°	122	118	108	95	92	130
85°	25	26	27	27	27	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	812.2	812.2	812.2	812.2	812.2
2.5°	812.2	811.3	807.8	811.3	811.3
5°	809.5	807.8	804.2	808.6	808.6
7.5°	802.4	801.5	798.9	803.3	803.3
10°	794.4	793.5	791.8	797.1	797.1
12.5°	783.8	783.8	782.9	788.2	789.1
15°	771.4	771.4	771.4	778.5	779.3
17.5°	757.2	756.3	758.9	766.9	767.8
20°	739.4	740.3	743.8	752.7	754.5
22.5°	721.7	722.5	727.0	737.6	740.3
25°	701.2	702.1	709.2	719.9	722.5
27.5°	679.0	680.8	688.8	700.3	702.1
30°	655.1	656.9	666.6	678.2	680.8
32.5°	630.2	632.9	641.8	654.2	657.7
35°	604.5	605.4	616.0	628.4	630.2
37.5°	576.1	578.7	589.4	600.0	601.8
40°	549.4	551.2	561.0	569.9	570.8
42.5°	519.3	521.9	532.6	538.8	538.8
45°	490.9	492.6	501.5	505.1	506.0
47.5°	458.9	460.7	468.7	470.4	470.4
50°	427.0	431.4	435.8	435.8	434.1
52.5°	397.7	398.6	403.9	400.3	398.6
55°	366.6	366.6	369.3	363.9	359.5
57.5°	335.5	335.5	335.5	328.4	324.9
60°	303.6	302.7	299.1	290.3	287.6
62.5°	273.4	270.7	265.4	256.5	251.2
65°	242.3	238.8	232.6	220.1	216.6
67.5°	213.0	206.8	199.7	188.2	182.0
70°	182.0	176.6	166.9	153.6	148.2
72.5°	151.8	146.5	138.5	125.2	117.2
75°	122.5	118.1	108.3	95.0	92.3
77.5°	94.1	91.4	81.7	75.4	74.6
80°	68.3	67.5	59.5	57.7	57.7
82.5°	45.3	44.4	41.7	41.7	40.8
85°	24.9	25.7	26.6	26.6	26.6
87.5°	8.9	10.7	12.4	12.4	12.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)