

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: P297652

Luminaire Tested: **D3X-WD-23L92765-LD5-UNV-14-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297652
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-23L92765-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: 2133.0 lumens
Efficiency: N/A
Efficacy: 98.8 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

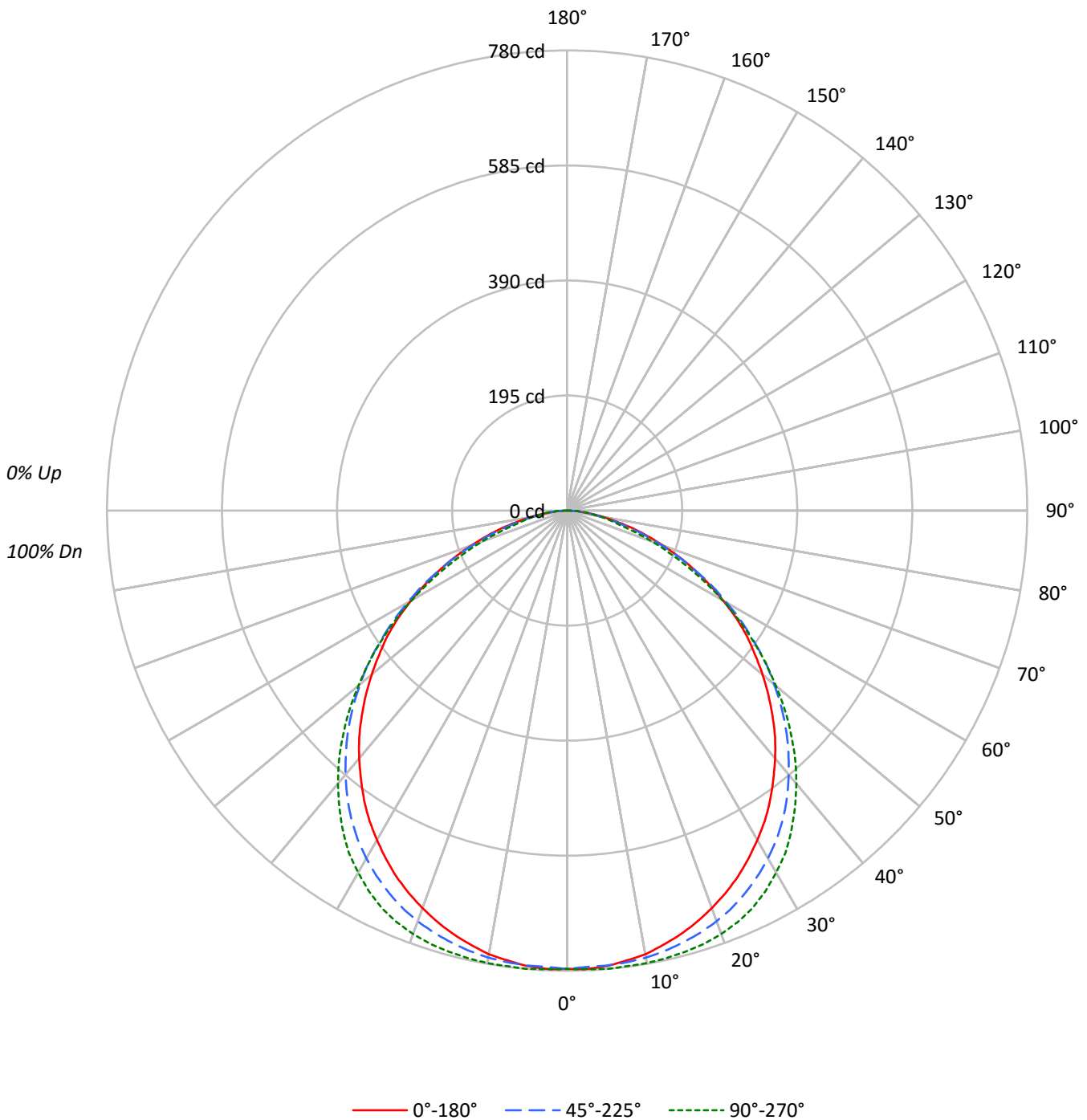
Input Watts (W): 21.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2091	2091	2091
5°	2093	2091	2106
10°	2087	2102	2128
15°	2072	2111	2157
20°	2053	2121	2187
25°	2033	2123	2208
30°	2003	2115	2201
35°	1970	2096	2177
40°	1926	2054	2124
45°	1874	1996	2044
50°	1810	1917	1933
55°	1747	1814	1805
60°	1645	1681	1640
65°	1515	1522	1437
70°	1356	1326	1206
75°	1178	1099	931
80°	944	855	855
85°	676	794	824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	3.5
10°-20°	214.5	10.1
20°-30°	329.3	15.4
30°-40°	396.6	18.6
40°-50°	400.8	18.8
50°-60°	341.9	16.0
60°-70°	234.0	11.0
70°-80°	112.9	5.3
80°-90°	29.1	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°	617.7	29.0
0°-40°	1014.3	47.6
0°-60°	1756.9	82.4
0°-90°	2133.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2133.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	777	777	777	777	777	
5°	775	775	774	779	780	74
15°	744	749	758	771	774	210
25°	685	695	715	736	744	315
35°	600	613	638	658	663	375
45°	492	506	525	537	537	380
55°	372	379	387	388	385	332
65°	238	241	239	230	226	236
75°	113	113	106	93	90	120
85°	22	24	26	27	27	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	776.9	776.9	776.9	776.9	776.9
2.5°	777.9	776.9	774.1	777.9	777.9
5°	775.0	775.0	774.1	778.8	779.8
7.5°	769.3	771.2	772.2	777.9	778.8
10°	763.6	765.5	769.3	776.9	778.8
12.5°	754.1	757.9	764.6	775.0	776.9
15°	743.6	749.3	757.9	771.2	774.1
17.5°	731.2	738.9	750.3	765.5	770.3
20°	717.0	725.5	740.8	757.9	763.6
22.5°	701.7	711.2	729.3	749.3	755.0
25°	684.6	695.1	715.0	736.0	743.6
27.5°	665.5	677.0	698.9	720.8	727.4
30°	644.6	657.0	680.8	702.7	708.4
32.5°	623.6	636.0	660.8	681.7	688.4
35°	599.8	613.2	637.9	657.9	662.7
37.5°	574.1	587.5	612.2	632.2	634.1
40°	548.4	561.8	584.6	602.7	604.6
42.5°	521.8	534.1	555.1	570.3	572.2
45°	492.3	505.6	524.6	537.0	537.0
47.5°	462.7	476.1	492.3	500.8	500.8
50°	432.3	444.6	458.0	462.7	461.8
52.5°	401.8	413.2	424.6	425.6	423.7
55°	372.3	378.9	386.6	388.5	384.7
57.5°	339.9	345.6	350.4	347.5	344.7
60°	305.6	311.3	312.3	307.5	304.7
62.5°	272.3	277.1	277.1	269.5	264.7
65°	238.0	240.9	239.0	230.4	225.7
67.5°	205.7	207.6	203.8	195.2	187.6
70°	172.3	173.3	168.5	158.1	153.3
72.5°	141.9	142.8	137.1	124.7	119.0
75°	113.3	113.3	105.7	93.3	89.5
77.5°	84.7	87.6	79.0	72.4	72.4
80°	60.9	63.8	55.2	56.2	55.2
82.5°	40.0	42.8	40.0	40.0	40.0
85°	21.9	23.8	25.7	26.7	26.7
87.5°	6.7	11.4	12.4	13.3	15.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)