

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: P298338

Luminaire Tested: **D3X-WO-20L82765-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298338
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-20L82765-LD5-UNV-22-T1-W2A-4000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2002.0 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

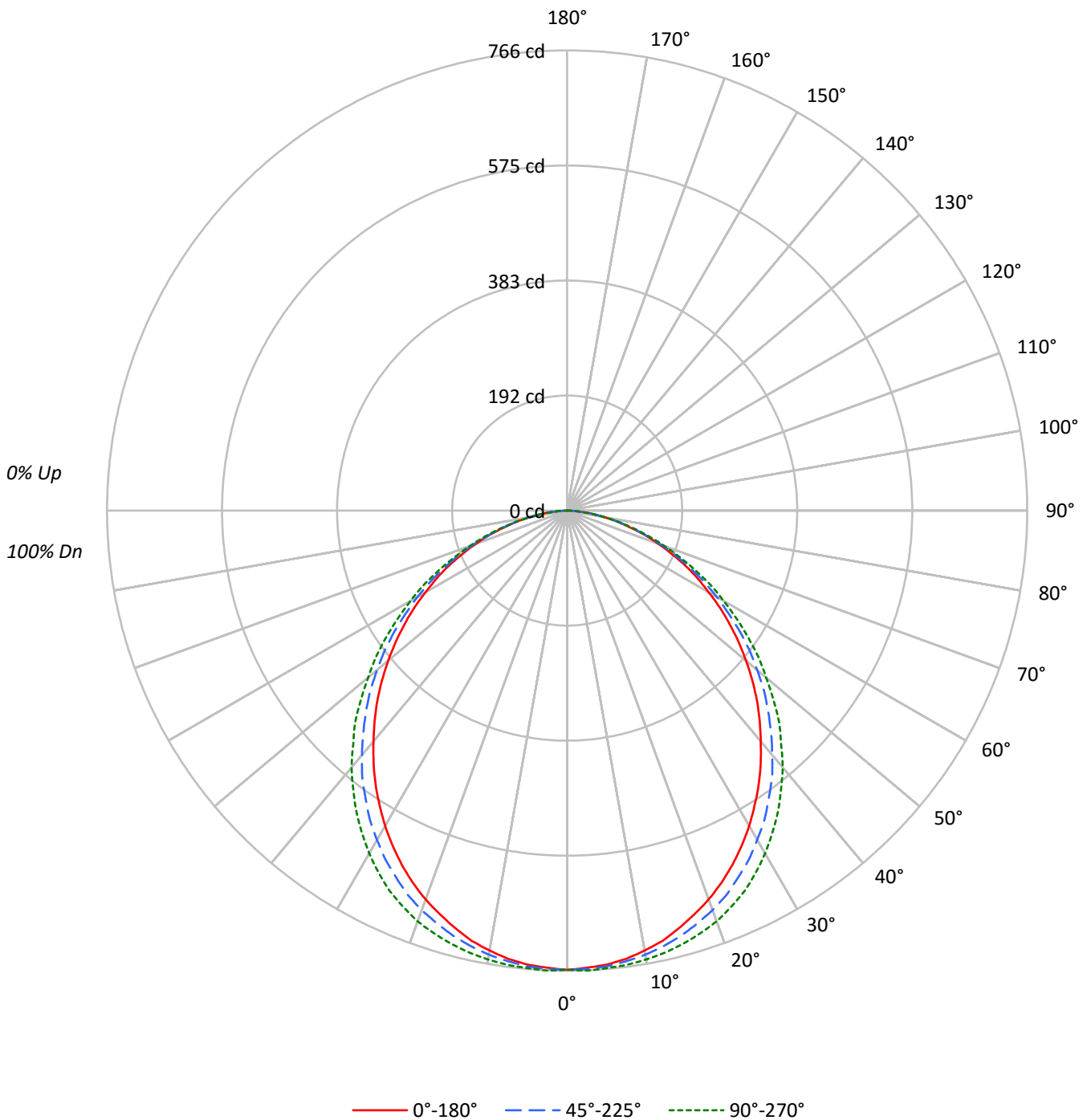
Input Watts (W): 15.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	31	43	35	30	41	35	30	40	34	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°	2057	2057	2057
5°	2049	2057	2065
10°	2032	2051	2073
15°	2005	2041	2080
20°	1973	2027	2084
25°	1933	2001	2075
30°	1883	1967	2047
35°	1827	1922	2010
40°	1761	1866	1961
45°	1700	1802	1901
50°	1628	1728	1811
55°	1552	1646	1726
60°	1464	1551	1620
65°	1384	1435	1504
70°	1271	1310	1356
75°	1130	1160	1192
80°	973	958	958
85°	738	676	614



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	3.6
10°-20°	206.7	10.3
20°-30°	310.4	15.5
30°-40°	365.3	18.2
40°-50°	364.4	18.2
50°-60°	312.7	15.6
60°-70°	223.9	11.2
70°-80°	118.6	5.9
80°-90°	27.7	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°	589.4	29.4
0°-40°	954.7	47.7
0°-60°	1631.7	81.5
0°-90°	2002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2002.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	764	764	764	764	764	
5°	759	759	762	764	764	72
15°	720	723	733	743	747	203
25°	651	657	674	691	699	300
35°	556	563	585	605	612	347
45°	447	454	474	490	499	344
55°	331	336	351	363	368	296
65°	217	218	225	234	236	215
75°	109	109	112	114	115	117
85°	24	23	22	20	20	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	764.5	764.5	764.5	764.5	764.5
2.5°	761.6	761.6	763.5	765.5	766.5
5°	758.6	758.6	761.6	763.5	764.5
7.5°	752.6	752.6	756.6	760.6	762.6
10°	743.6	745.6	750.6	756.6	758.6
12.5°	733.6	735.6	742.6	750.6	753.6
15°	719.7	722.7	732.6	742.6	746.6
17.5°	704.7	708.7	720.7	732.6	737.6
20°	688.8	692.8	707.7	721.7	727.7
22.5°	670.8	675.8	692.8	707.7	713.7
25°	650.9	656.9	673.8	690.8	698.8
27.5°	629.0	636.0	654.9	672.8	679.8
30°	606.1	614.0	633.0	651.9	658.9
32.5°	581.1	588.1	611.0	629.0	636.0
35°	556.2	563.2	585.1	605.1	612.0
37.5°	529.3	538.3	560.2	578.1	585.1
40°	501.4	510.4	531.3	552.2	558.2
42.5°	474.5	482.5	502.4	521.3	527.3
45°	446.6	453.5	473.5	490.4	499.4
47.5°	417.7	424.6	444.6	460.5	465.5
50°	388.8	395.7	412.7	426.6	432.6
52.5°	359.8	366.8	382.8	395.7	401.7
55°	330.9	335.9	350.9	362.8	367.8
57.5°	302.0	306.0	318.0	330.9	333.9
60°	272.1	277.1	288.1	297.0	301.0
62.5°	245.2	247.2	257.2	265.1	270.1
65°	217.3	218.3	225.3	234.2	236.2
67.5°	188.4	189.4	196.4	201.4	203.3
70°	161.5	161.5	166.5	170.5	172.4
72.5°	135.6	134.6	137.6	141.5	143.5
75°	108.7	108.7	111.6	113.6	114.6
77.5°	85.7	83.7	85.7	87.7	87.7
80°	62.8	61.8	61.8	62.8	61.8
82.5°	42.9	41.9	42.9	40.9	39.9
85°	23.9	22.9	21.9	19.9	19.9
87.5°	8.0	7.0	7.0	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)