

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: P298343

Luminaire Tested: **D3X-WO-20L82765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298343
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-6500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2097.0 lumens
Efficiency: N/A
Efficacy: 130.2 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

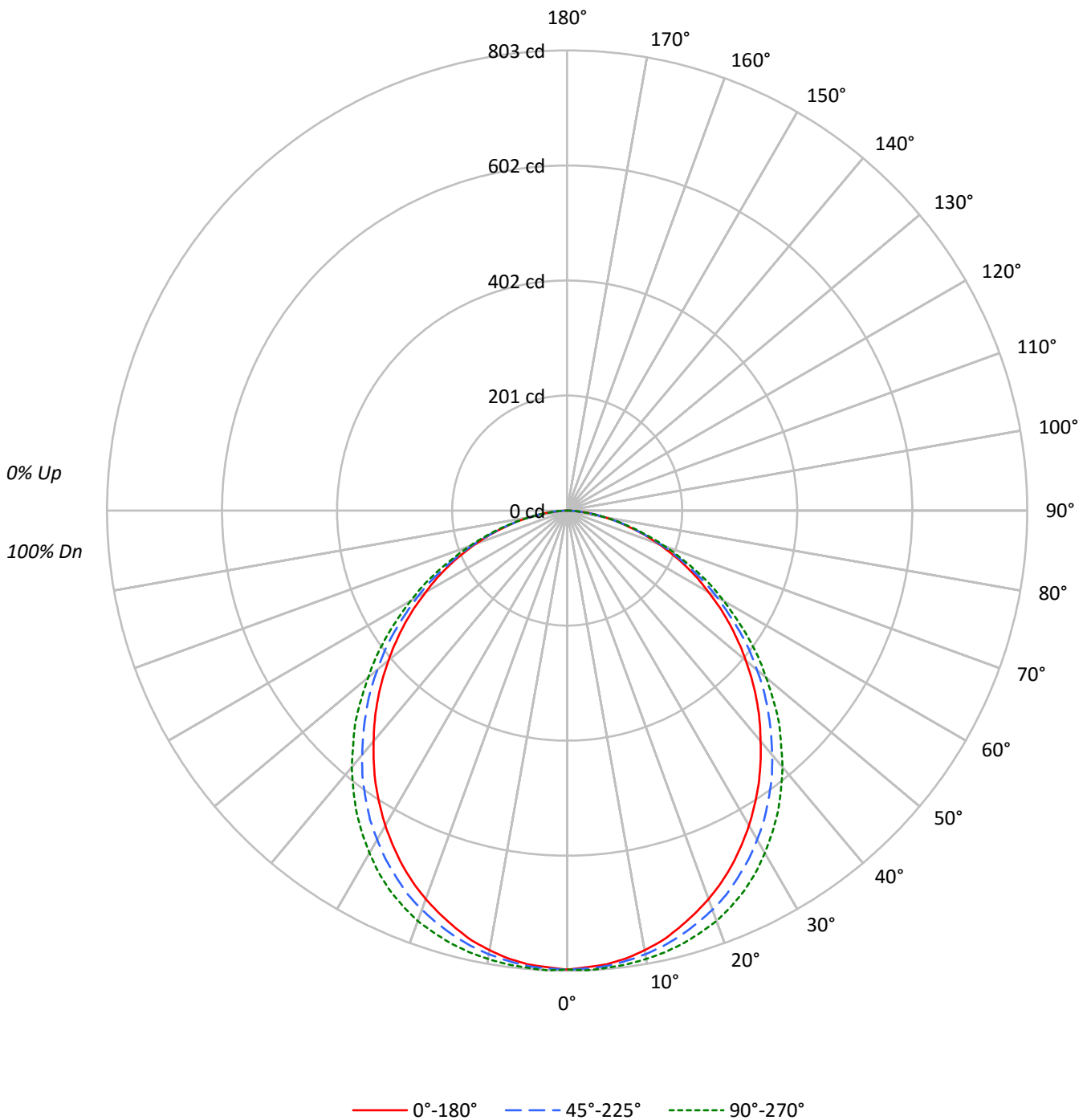
Input Watts (W): 16.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60					60			
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2155	2155	2155
5°	2146	2155	2163
10°	2128	2148	2171
15°	2100	2138	2179
20°	2066	2123	2183
25°	2024	2096	2173
30°	1972	2060	2145
35°	1914	2013	2106
40°	1845	1955	2054
45°	1780	1887	1991
50°	1705	1810	1897
55°	1626	1724	1808
60°	1534	1624	1697
65°	1449	1503	1576
70°	1330	1372	1421
75°	1183	1215	1249
80°	1020	1003	1003
85°	775	710	645



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	3.6
10°-20°	216.5	10.3
20°-30°	325.1	15.5
30°-40°	382.6	18.2
40°-50°	381.6	18.2
50°-60°	327.5	15.6
60°-70°	234.6	11.2
70°-80°	124.2	5.9
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°	617.4	29.4
0°-40°	1000.0	47.7
0°-60°	1709.2	81.5
0°-90°	2097.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2097.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	801	801	801	801	801	
5°	795	795	798	800	801	75
15°	754	757	767	778	782	213
25°	682	688	706	724	732	314
35°	583	590	613	634	641	364
45°	468	475	496	514	523	361
55°	347	352	368	380	385	310
65°	228	229	236	245	248	225
75°	114	114	117	119	120	122
85°	25	24	23	21	21	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	800.8	800.8	800.8	800.8	800.8
2.5°	797.7	797.7	799.8	801.9	802.9
5°	794.6	794.6	797.7	799.8	800.8
7.5°	788.3	788.3	792.5	796.6	798.7
10°	778.9	781.0	786.2	792.5	794.6
12.5°	768.5	770.5	777.9	786.2	789.3
15°	753.8	757.0	767.4	777.9	782.0
17.5°	738.2	742.4	754.9	767.4	772.6
20°	721.5	725.7	741.3	755.9	762.2
22.5°	702.7	707.9	725.7	741.3	747.6
25°	681.8	688.1	705.8	723.6	731.9
27.5°	658.8	666.1	686.0	704.8	712.1
30°	634.8	643.2	663.0	682.8	690.2
32.5°	608.7	616.0	640.0	658.8	666.1
35°	582.6	589.9	612.9	633.8	641.1
37.5°	554.4	563.8	586.8	605.6	612.9
40°	525.2	534.6	556.5	578.4	584.7
42.5°	497.0	505.3	526.2	546.1	552.3
45°	467.8	475.1	495.9	513.7	523.1
47.5°	437.5	444.8	465.7	482.4	487.6
50°	407.2	414.5	432.3	446.9	453.1
52.5°	376.9	384.2	400.9	414.5	420.8
55°	346.6	351.9	367.5	380.1	385.3
57.5°	316.4	320.5	333.1	346.6	349.8
60°	285.0	290.3	301.7	311.1	315.3
62.5°	256.8	258.9	269.4	277.7	283.0
65°	227.6	228.7	236.0	245.4	247.5
67.5°	197.3	198.4	205.7	210.9	213.0
70°	169.1	169.1	174.4	178.5	180.6
72.5°	142.0	141.0	144.1	148.3	150.4
75°	113.8	113.8	116.9	119.0	120.1
77.5°	89.8	87.7	89.8	91.9	91.9
80°	65.8	64.7	64.7	65.8	64.7
82.5°	44.9	43.9	44.9	42.8	41.8
85°	25.1	24.0	23.0	20.9	20.9
87.5°	8.4	7.3	7.3	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)