

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: P298430

Luminaire Tested: **D3X-WO-25L92765-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298430
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-25L92765-LD5-UNV-22-T1-W2A-3500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2109.0 lumens
Efficiency: N/A
Efficacy: 111.6 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

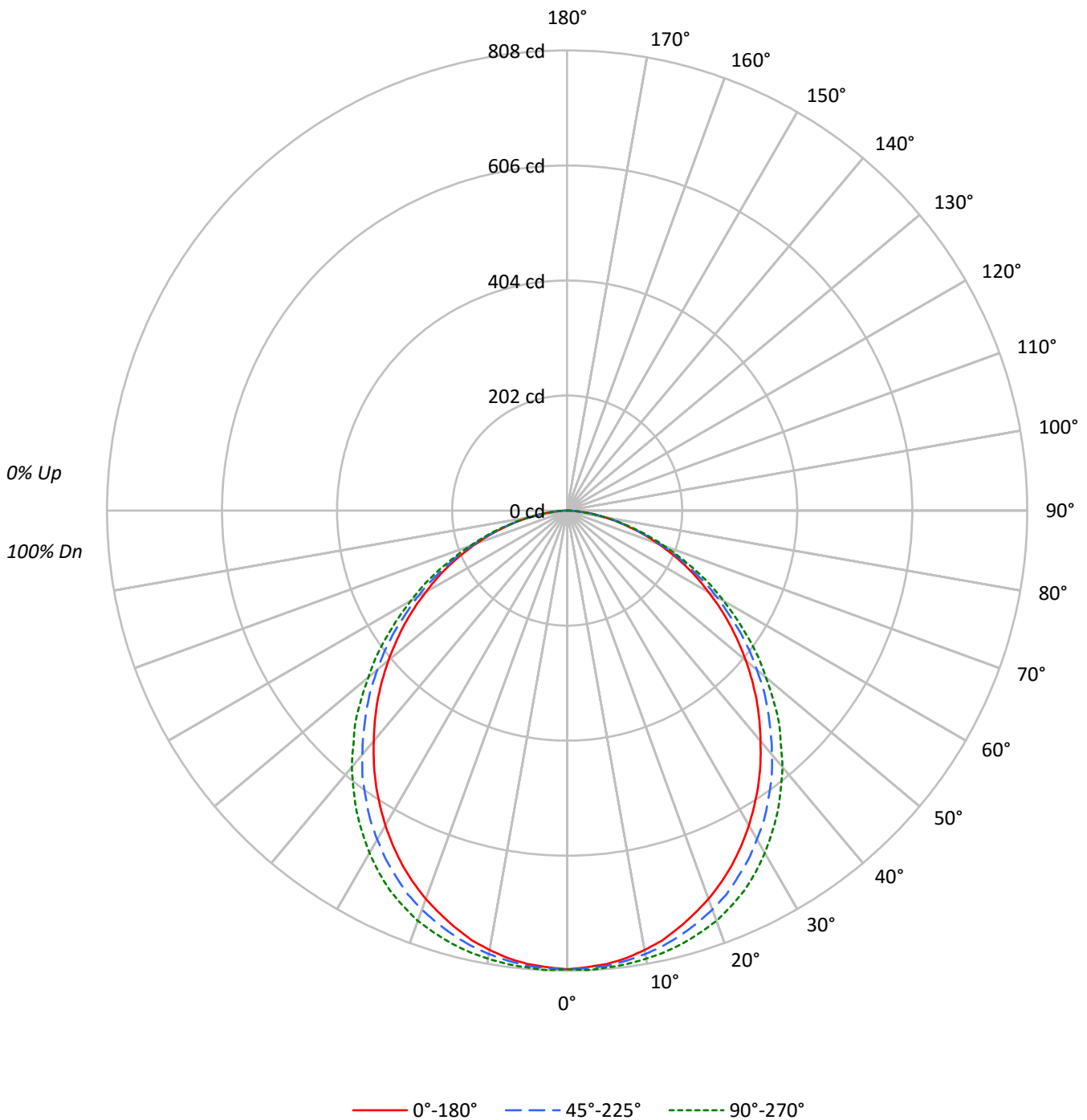
Input Watts (W): 18.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2167	2167	2167
5°	2159	2167	2176
10°	2141	2161	2184
15°	2112	2150	2191
20°	2078	2135	2195
25°	2036	2108	2186
30°	1984	2072	2157
35°	1925	2025	2118
40°	1855	1966	2066
45°	1790	1898	2002
50°	1714	1820	1908
55°	1635	1734	1818
60°	1543	1633	1707
65°	1457	1511	1585
70°	1338	1380	1430
75°	1190	1223	1256
80°	1026	1009	1009
85°	778	713	648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.2	3.6
10°-20°	217.8	10.3
20°-30°	327.0	15.5
30°-40°	384.8	18.2
40°-50°	383.8	18.2
50°-60°	329.4	15.6
60°-70°	235.9	11.2
70°-80°	124.9	5.9
80°-90°	29.2	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°	620.9	29.4
0°-40°	1005.7	47.7
0°-60°	1718.9	81.5
0°-90°	2109.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2109.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	805	805	805	805	805	
5°	799	799	802	804	805	76
15°	758	761	772	782	786	214
25°	686	692	710	728	736	316
35°	586	593	616	637	645	366
45°	470	478	499	517	526	363
55°	349	354	370	382	388	312
65°	229	230	237	247	249	226
75°	114	114	118	120	121	123
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°	805.4	805.4	805.4	805.4	805.4
2.5°	802.3	802.3	804.4	806.5	807.5
5°	799.1	799.1	802.3	804.4	805.4
7.5°	792.8	792.8	797.0	801.2	803.3
10°	783.4	785.5	790.7	797.0	799.1
12.5°	772.9	775.0	782.3	790.7	793.9
15°	758.2	761.3	771.8	782.3	786.5
17.5°	742.4	746.6	759.2	771.8	777.1
20°	725.6	729.8	745.6	760.3	766.6
22.5°	706.7	712.0	729.8	745.6	751.9
25°	685.7	692.0	709.9	727.7	736.1
27.5°	662.6	669.9	689.9	708.8	716.2
30°	638.4	646.8	666.8	686.7	694.1
32.5°	612.2	619.5	643.7	662.6	669.9
35°	585.9	593.3	616.4	637.4	644.7
37.5°	557.6	567.0	590.1	609.0	616.4
40°	528.2	537.6	559.7	581.7	588.0
42.5°	499.8	508.2	529.2	549.2	555.5
45°	470.4	477.8	498.8	516.6	526.1
47.5°	440.0	447.3	468.3	485.1	490.4
50°	409.5	416.9	434.7	449.4	455.7
52.5°	379.1	386.4	403.2	416.9	423.2
55°	348.6	353.9	369.6	382.2	387.5
57.5°	318.2	322.4	335.0	348.6	351.8
60°	286.7	291.9	303.5	312.9	317.1
62.5°	258.3	260.4	270.9	279.3	284.6
65°	228.9	230.0	237.3	246.8	248.9
67.5°	198.5	199.5	206.9	212.1	214.2
70°	170.1	170.1	175.4	179.6	181.7
72.5°	142.8	141.8	144.9	149.1	151.2
75°	114.5	114.5	117.6	119.7	120.8
77.5°	90.3	88.2	90.3	92.4	92.4
80°	66.2	65.1	65.1	66.2	65.1
82.5°	45.2	44.1	45.2	43.1	42.0
85°	25.2	24.2	23.1	21.0	21.0
87.5°	8.4	7.4	7.4	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)