

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: P298106

Luminaire Tested: **D3X-WD-31L92765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-31L92765-LD5-UNV-22-T1-W2A-5000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2690.0 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

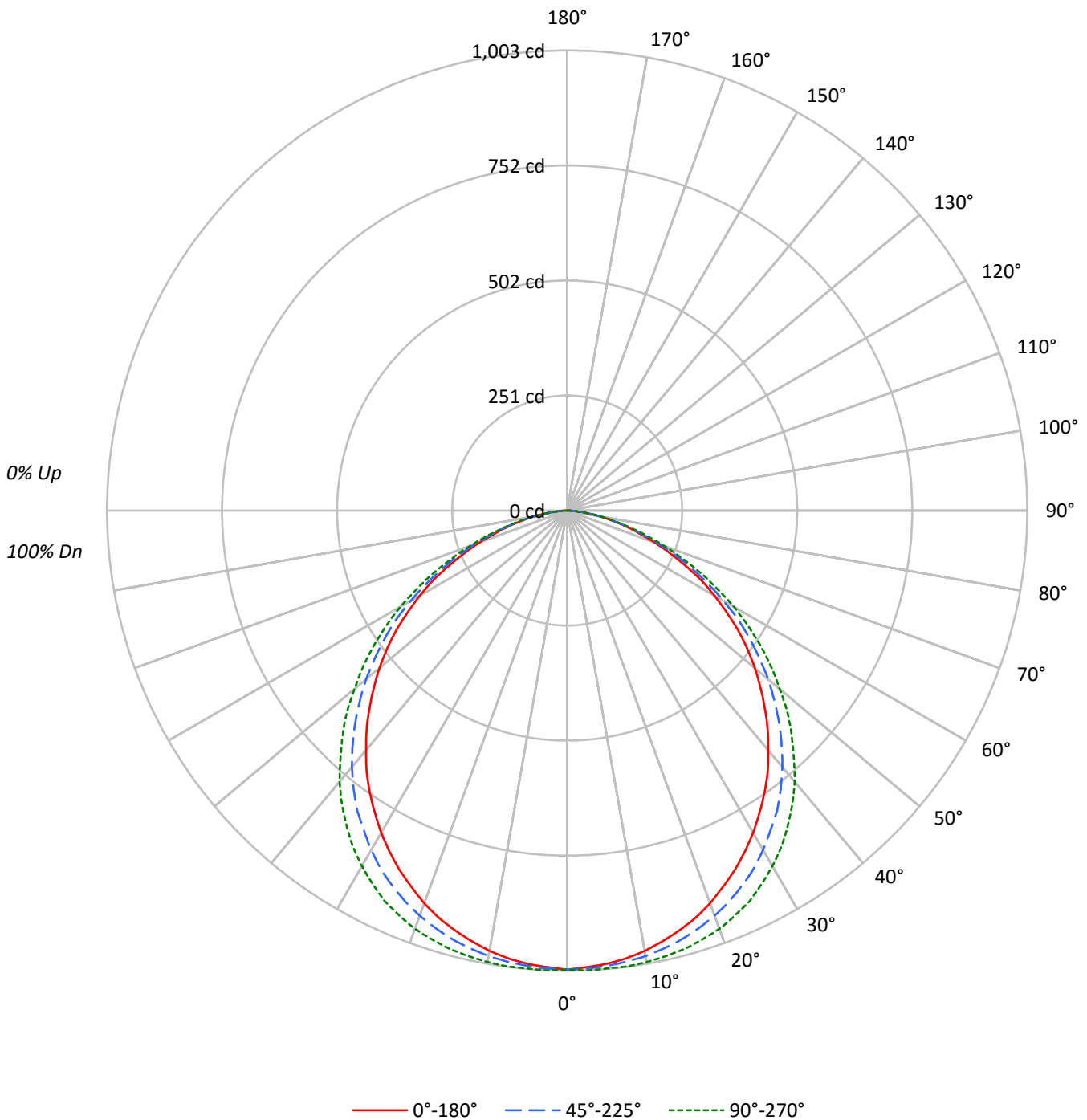
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	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	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2692	2692	2692
5°	2679	2691	2707
10°	2663	2694	2730
15°	2638	2695	2755
20°	2608	2691	2778
25°	2567	2678	2790
30°	2519	2655	2780
35°	2464	2621	2754
40°	2396	2564	2711
45°	2320	2485	2634
50°	2237	2394	2534
55°	2133	2276	2419
60°	1995	2119	2260
65°	1807	1918	2038
70°	1595	1674	1766
75°	1370	1400	1460
80°	1099	1122	1144
85°	806	716	716



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	3.5
10°-20°	273.1	10.2
20°-30°	415.4	15.4
30°-40°	497.0	18.5
40°-50°	502.5	18.7
50°-60°	432.4	16.1
60°-70°	298.5	11.1
70°-80°	144.8	5.4
80°-90°	31.4	1.2
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°	783.4	29.1
0°-40°	1280.4	47.6
0°-60°	2215.3	82.4
0°-90°	2690.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2690.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1000	1000	1000	1000	1000	
5°	992	993	996	1000	1002	94
15°	947	953	967	982	989	267
25°	864	875	902	930	940	398
35°	750	763	798	827	838	469
45°	610	621	653	680	692	470
55°	455	462	485	507	516	405
65°	284	288	301	314	320	282
75°	132	129	135	139	140	140
85°	26	26	23	23	23	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1000.5	1000.5	1000.5	1000.5	1000.5
2.5°	996.2	996.2	999.1	1002.0	1003.4
5°	991.8	993.3	996.2	1000.5	1002.0
7.5°	984.6	986.0	991.8	999.1	1002.0
10°	974.5	977.4	986.0	994.7	999.1
12.5°	961.4	967.2	977.4	988.9	994.7
15°	946.9	952.7	967.2	981.7	988.9
17.5°	931.0	936.8	954.2	973.0	980.3
20°	910.8	919.4	939.7	961.4	970.1
22.5°	887.6	899.2	922.3	945.5	955.6
25°	864.4	874.6	902.1	929.6	939.7
27.5°	838.4	849.9	880.3	907.9	918.0
30°	810.8	822.4	854.3	884.7	894.8
32.5°	780.4	794.9	825.3	857.2	868.8
35°	750.0	763.1	797.8	826.8	838.4
37.5°	718.2	729.8	764.5	794.9	806.5
40°	682.0	695.0	729.8	760.2	771.7
42.5°	647.2	660.3	692.1	721.1	731.2
45°	609.6	621.2	653.0	680.5	692.1
47.5°	571.9	585.0	612.5	640.0	651.6
50°	534.3	544.4	571.9	598.0	605.2
52.5°	495.2	503.9	528.5	551.7	561.8
55°	454.7	461.9	485.1	506.8	515.5
57.5°	411.2	419.9	441.6	457.5	467.7
60°	370.7	375.0	393.8	409.8	419.9
62.5°	330.1	331.6	346.1	362.0	367.8
65°	283.8	288.1	301.2	314.2	320.0
67.5°	241.8	246.1	256.3	266.4	270.8
70°	202.7	202.7	212.8	220.1	224.4
72.5°	163.6	165.1	172.3	176.6	181.0
75°	131.8	128.9	134.7	139.0	140.4
77.5°	98.5	97.0	101.4	102.8	105.7
80°	70.9	70.9	72.4	73.8	73.8
82.5°	46.3	46.3	47.8	44.9	43.4
85°	26.1	26.1	23.2	23.2	23.2
87.5°	8.7	8.7	8.7	10.1	8.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)