

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: P298275

Luminaire Tested: **D3X-WG-31L92765-LD5-UNV-22-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-31L92765-LD5-UNV-22-T1-W2A-5500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2770.0 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

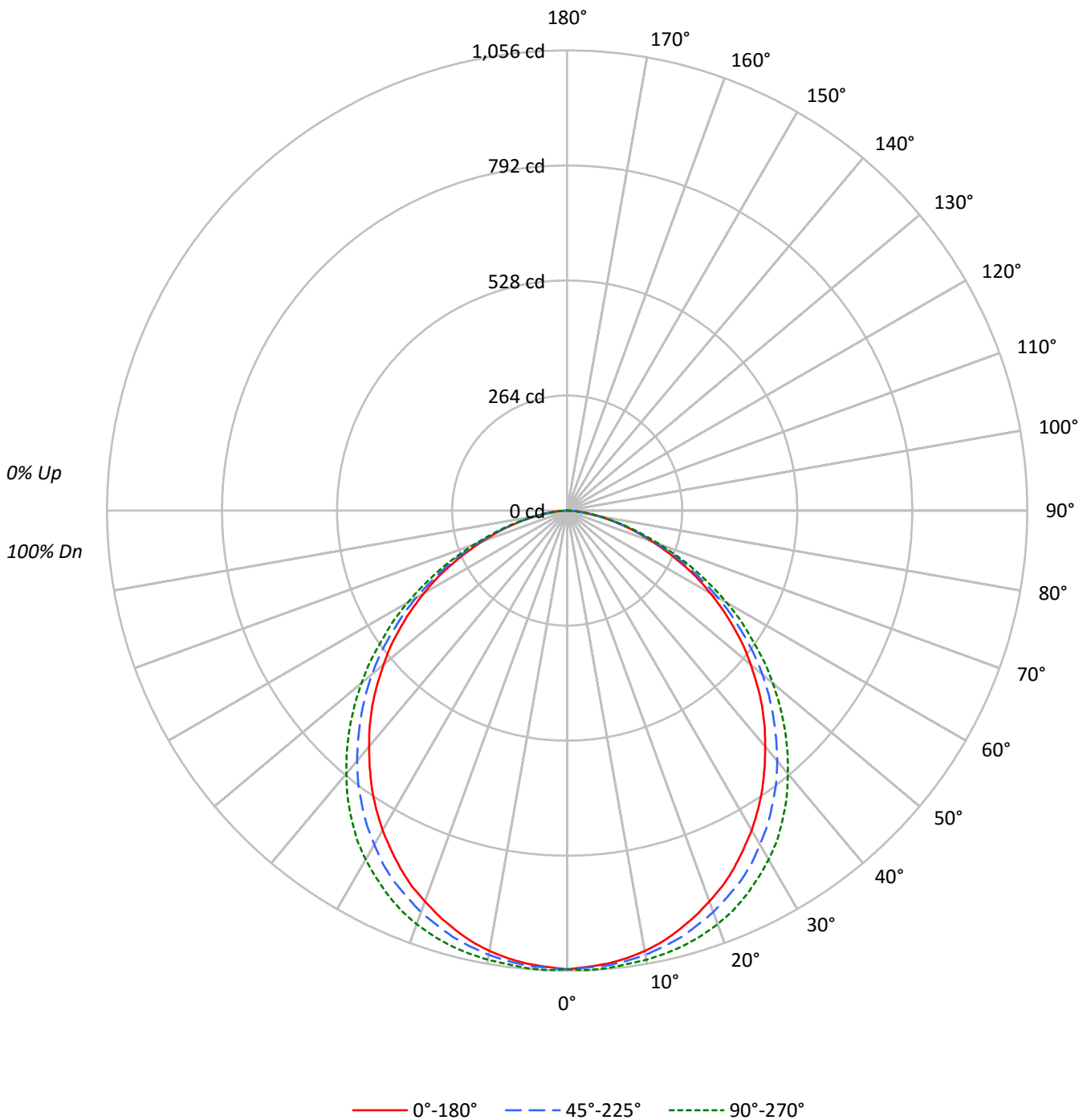
Input Watts (W): 25.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2833	2833	2833
5°	2820	2832	2847
10°	2804	2828	2860
15°	2773	2822	2880
20°	2733	2808	2892
25°	2689	2790	2890
30°	2631	2750	2874
35°	2565	2700	2835
40°	2484	2634	2768
45°	2406	2546	2686
50°	2302	2449	2579
55°	2187	2311	2435
60°	2041	2152	2279
65°	1863	1947	2059
70°	1631	1700	1769
75°	1391	1421	1483
80°	1116	1139	1162
85°	818	772	726



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	3.6
10°-20°	286.0	10.3
20°-30°	432.3	15.6
30°-40°	513.5	18.5
40°-50°	515.5	18.6
50°-60°	440.3	15.9
60°-70°	303.4	11.0
70°-80°	147.1	5.3
80°-90°	32.2	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°	817.9	29.5
0°-40°	1331.5	48.1
0°-60°	2287.3	82.6
0°-90°	2770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2770.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1053	1053	1053	1053	1053	
5°	1044	1044	1048	1051	1054	99
15°	995	1000	1013	1026	1034	281
25°	906	913	940	964	973	417
35°	781	792	822	853	863	488
45°	632	641	669	697	706	487
55°	466	473	492	513	519	417
65°	293	293	306	319	323	290
75°	134	131	137	140	143	144
85°	26	26	25	24	24	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1052.7	1052.7	1052.7	1052.7	1052.7
2.5°	1048.3	1048.3	1049.7	1054.1	1055.6
5°	1043.8	1043.8	1048.3	1051.2	1054.1
7.5°	1036.5	1038.0	1042.4	1048.3	1049.7
10°	1026.2	1027.7	1035.0	1042.4	1046.8
12.5°	1013.0	1015.9	1024.7	1036.5	1040.9
15°	995.3	999.7	1013.0	1026.2	1033.6
17.5°	976.2	982.1	996.8	1015.9	1023.3
20°	954.2	961.5	980.6	1001.2	1010.0
22.5°	932.1	938.0	960.0	983.6	993.9
25°	905.6	913.0	939.5	964.5	973.3
27.5°	876.2	886.5	914.5	940.9	949.7
30°	846.8	855.7	885.1	914.5	924.8
32.5°	814.5	823.3	855.7	885.1	896.8
35°	780.7	792.4	821.8	852.7	863.0
37.5°	743.9	757.2	788.0	814.5	827.7
40°	707.2	718.9	749.8	777.7	788.0
42.5°	670.4	680.7	710.1	739.5	748.3
45°	632.2	641.0	668.9	696.9	705.7
47.5°	591.0	601.3	627.8	651.3	661.6
50°	549.9	560.1	585.1	607.2	616.0
52.5°	510.2	516.0	539.6	560.1	570.4
55°	466.1	473.4	492.5	513.1	519.0
57.5°	423.4	427.8	446.9	464.6	473.4
60°	379.3	382.3	399.9	413.1	423.4
62.5°	338.1	338.1	351.4	366.1	372.0
65°	292.6	292.6	305.8	319.0	323.4
67.5°	248.5	251.4	260.2	270.5	273.5
70°	207.3	207.3	216.1	223.5	224.9
72.5°	170.5	169.1	173.5	179.4	182.3
75°	133.8	130.8	136.7	139.7	142.6
77.5°	101.4	100.0	102.9	105.9	105.9
80°	72.0	70.6	73.5	73.5	75.0
82.5°	47.0	48.5	48.5	47.0	45.6
85°	26.5	26.5	25.0	23.5	23.5
87.5°	8.8	8.8	8.8	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)