

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: P298227

Luminaire Tested: **D3X-WG-25L93050-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298227
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-25L93050-LD5-UNV-22-T1-W2A-3500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1966.0 lumens
Efficiency: N/A
Efficacy: 101.9 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

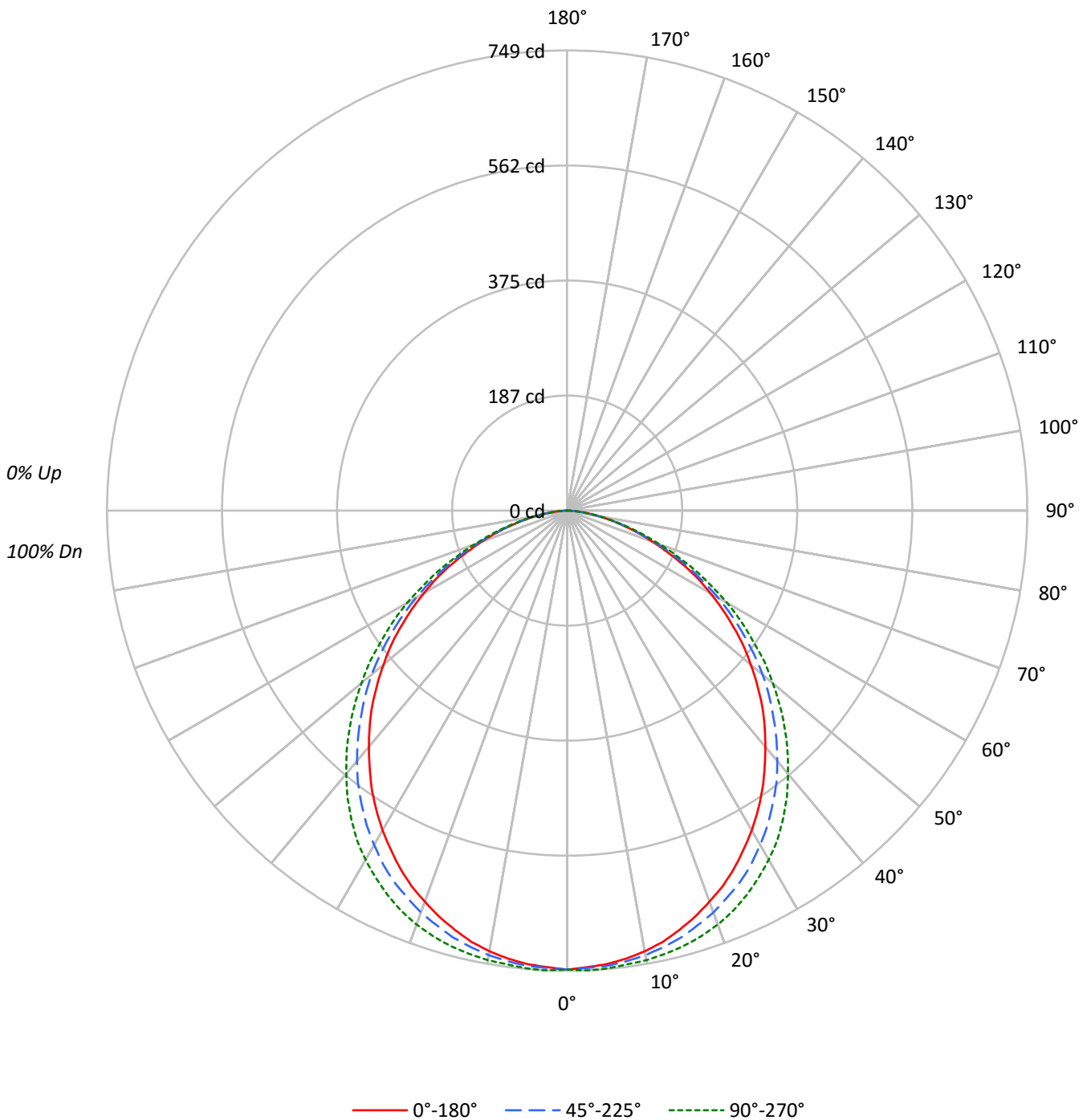
Input Watts (W): 19.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2010	2010	2010
5°	2001	2010	2021
10°	1990	2007	2030
15°	1968	2003	2044
20°	1939	1993	2053
25°	1909	1980	2051
30°	1867	1952	2039
35°	1820	1916	2012
40°	1763	1870	1965
45°	1708	1807	1906
50°	1634	1739	1830
55°	1552	1640	1728
60°	1449	1527	1617
65°	1323	1382	1462
70°	1157	1207	1257
75°	988	1009	1052
80°	792	809	824
85°	580	546	516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	3.6
10°-20°	203.0	10.3
20°-30°	306.8	15.6
30°-40°	364.5	18.5
40°-50°	365.9	18.6
50°-60°	312.5	15.9
60°-70°	215.3	11.0
70°-80°	104.4	5.3
80°-90°	22.8	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°	580.5	29.5
0°-40°	945.0	48.1
0°-60°	1623.4	82.6
0°-90°	1966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1966.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	747	747	747	747	747	
5°	741	741	744	746	748	70
15°	706	710	719	728	734	199
25°	643	648	667	684	691	296
35°	554	562	583	605	612	346
45°	449	455	475	495	501	345
55°	331	336	350	364	368	296
65°	208	208	217	226	230	206
75°	95	93	97	99	101	102
85°	19	19	18	17	17	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	747.1	747.1	747.1	747.1	747.1
2.5°	744.0	744.0	745.0	748.2	749.2
5°	740.9	740.9	744.0	746.1	748.2
7.5°	735.6	736.7	739.8	744.0	745.0
10°	728.3	729.4	734.6	739.8	743.0
12.5°	719.0	721.0	727.3	735.6	738.8
15°	706.4	709.6	719.0	728.3	733.6
17.5°	692.9	697.0	707.5	721.0	726.3
20°	677.2	682.4	696.0	710.6	716.9
22.5°	661.6	665.7	681.4	698.1	705.4
25°	642.8	648.0	666.8	684.5	690.8
27.5°	621.9	629.2	649.0	667.8	674.1
30°	601.0	607.3	628.2	649.0	656.3
32.5°	578.1	584.3	607.3	628.2	636.5
35°	554.1	562.4	583.3	605.2	612.5
37.5°	528.0	537.4	559.3	578.1	587.5
40°	501.9	510.3	532.2	552.0	559.3
42.5°	475.8	483.1	504.0	524.9	531.1
45°	448.7	455.0	474.8	494.6	500.9
47.5°	419.5	426.8	445.6	462.3	469.6
50°	390.3	397.6	415.3	431.0	437.2
52.5°	362.1	366.3	383.0	397.6	404.9
55°	330.8	336.0	349.6	364.2	368.3
57.5°	300.5	303.6	317.2	329.7	336.0
60°	269.2	271.3	283.8	293.2	300.5
62.5°	240.0	240.0	249.4	259.8	264.0
65°	207.7	207.7	217.0	226.4	229.6
67.5°	176.3	178.4	184.7	192.0	194.1
70°	147.1	147.1	153.4	158.6	159.7
72.5°	121.0	120.0	123.1	127.3	129.4
75°	95.0	92.9	97.0	99.1	101.2
77.5°	72.0	71.0	73.0	75.1	75.1
80°	51.1	50.1	52.2	52.2	53.2
82.5°	33.4	34.4	34.4	33.4	32.3
85°	18.8	18.8	17.7	16.7	16.7
87.5°	6.3	6.3	6.3	7.3	7.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)