

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: P298095

Luminaire Tested: **D3X-WD-25L92765-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298095
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-25L92765-LD5-UNV-22-T1-W2A-4000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2014.0 lumens
Efficiency: N/A
Efficacy: 105.4 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

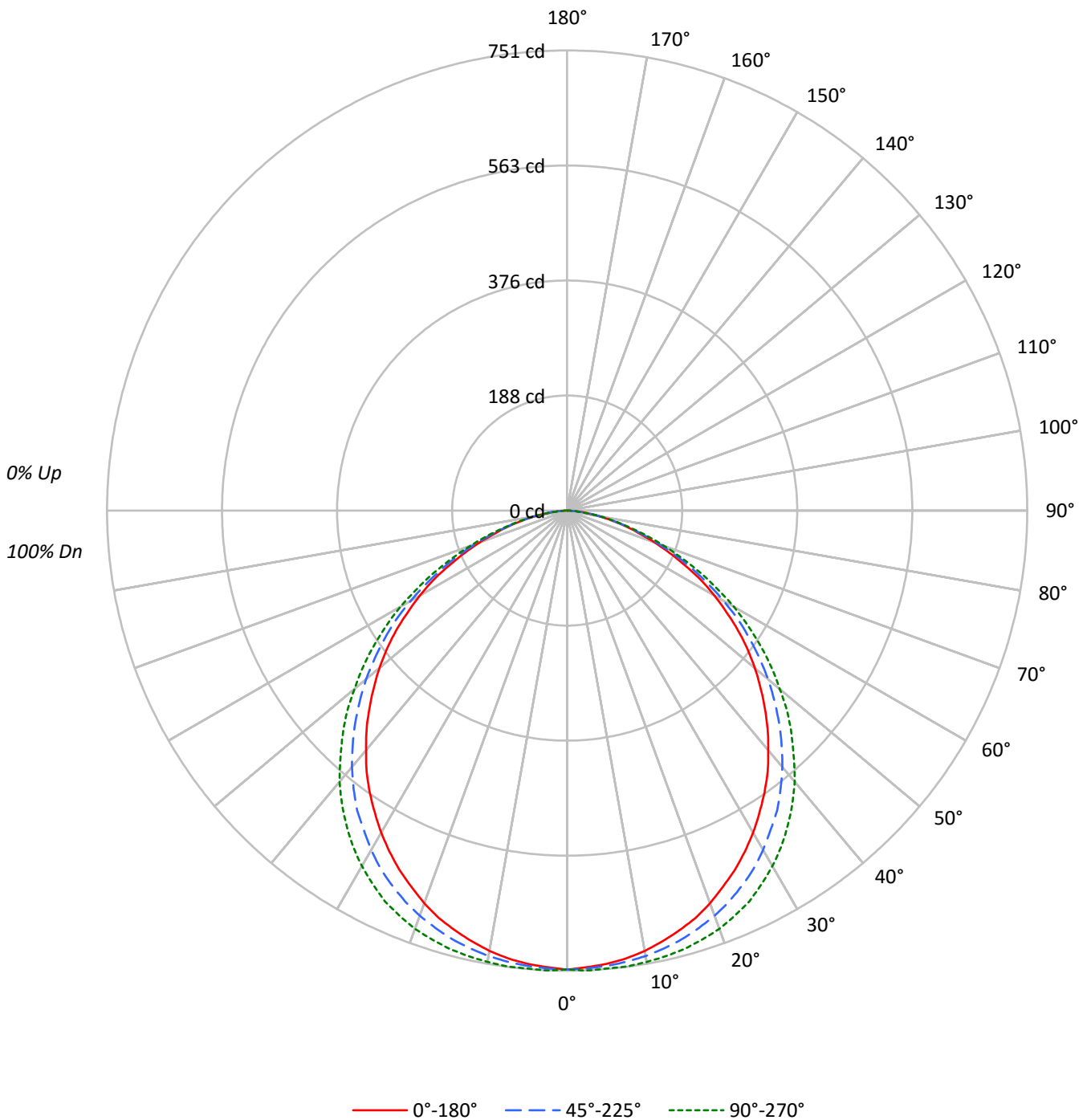
Input Watts (W): 19.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2016	2016	2016
5°	2006	2015	2026
10°	1994	2017	2044
15°	1975	2018	2063
20°	1953	2015	2080
25°	1922	2005	2089
30°	1886	1987	2082
35°	1845	1962	2062
40°	1794	1919	2030
45°	1737	1861	1972
50°	1675	1793	1897
55°	1597	1704	1810
60°	1493	1587	1692
65°	1353	1436	1526
70°	1194	1254	1322
75°	1026	1048	1094
80°	823	840	857
85°	602	534	534



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	3.5
10°-20°	204.5	10.2
20°-30°	311.0	15.4
30°-40°	372.1	18.5
40°-50°	376.2	18.7
50°-60°	323.8	16.1
60°-70°	223.5	11.1
70°-80°	108.4	5.4
80°-90°	23.5	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°	586.5	29.1
0°-40°	958.6	47.6
0°-60°	1658.6	82.4
0°-90°	2014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2014.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	749	749	749	749	749	
5°	743	744	746	749	750	70
15°	709	713	724	735	740	200
25°	647	655	675	696	704	298
35°	562	571	597	619	628	351
45°	456	465	489	510	518	352
55°	340	346	363	379	386	303
65°	212	216	226	235	240	211
75°	99	96	101	104	105	105
85°	20	20	17	17	17	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	749.1	749.1	749.1	749.1	749.1
2.5°	745.8	745.8	748.0	750.2	751.3
5°	742.6	743.7	745.8	749.1	750.2
7.5°	737.2	738.2	742.6	748.0	750.2
10°	729.6	731.7	738.2	744.8	748.0
12.5°	719.8	724.2	731.7	740.4	744.8
15°	709.0	713.3	724.2	735.0	740.4
17.5°	697.1	701.4	714.4	728.5	733.9
20°	681.9	688.4	703.6	719.8	726.3
22.5°	664.5	673.2	690.6	707.9	715.5
25°	647.2	654.8	675.4	696.0	703.6
27.5°	627.7	636.3	659.1	679.7	687.3
30°	607.1	615.7	639.6	662.4	670.0
32.5°	584.3	595.2	617.9	641.8	650.4
35°	561.5	571.3	597.3	619.0	627.7
37.5°	537.7	546.4	572.4	595.2	603.8
40°	510.6	520.4	546.4	569.1	577.8
42.5°	484.6	494.3	518.2	539.9	547.5
45°	456.4	465.1	488.9	509.5	518.2
47.5°	428.2	438.0	458.6	479.2	487.8
50°	400.0	407.6	428.2	447.7	453.1
52.5°	370.8	377.3	395.7	413.0	420.6
55°	340.4	345.8	363.2	379.4	385.9
57.5°	307.9	314.4	330.6	342.6	350.2
60°	277.5	280.8	294.9	306.8	314.4
62.5°	247.2	248.3	259.1	271.0	275.4
65°	212.5	215.7	225.5	235.2	239.6
67.5°	181.0	184.3	191.9	199.5	202.7
70°	151.8	151.8	159.4	164.8	168.0
72.5°	122.5	123.6	129.0	132.3	135.5
75°	98.7	96.5	100.8	104.1	105.2
77.5°	73.7	72.6	75.9	77.0	79.1
80°	53.1	53.1	54.2	55.3	55.3
82.5°	34.7	34.7	35.8	33.6	32.5
85°	19.5	19.5	17.3	17.3	17.3
87.5°	6.5	6.5	6.5	7.6	6.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)