

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: P298059

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298059
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-25L93050-LD5-UNV-22-T1-W2A-3500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1939.0 lumens
Efficiency: N/A
Efficacy: 100.5 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

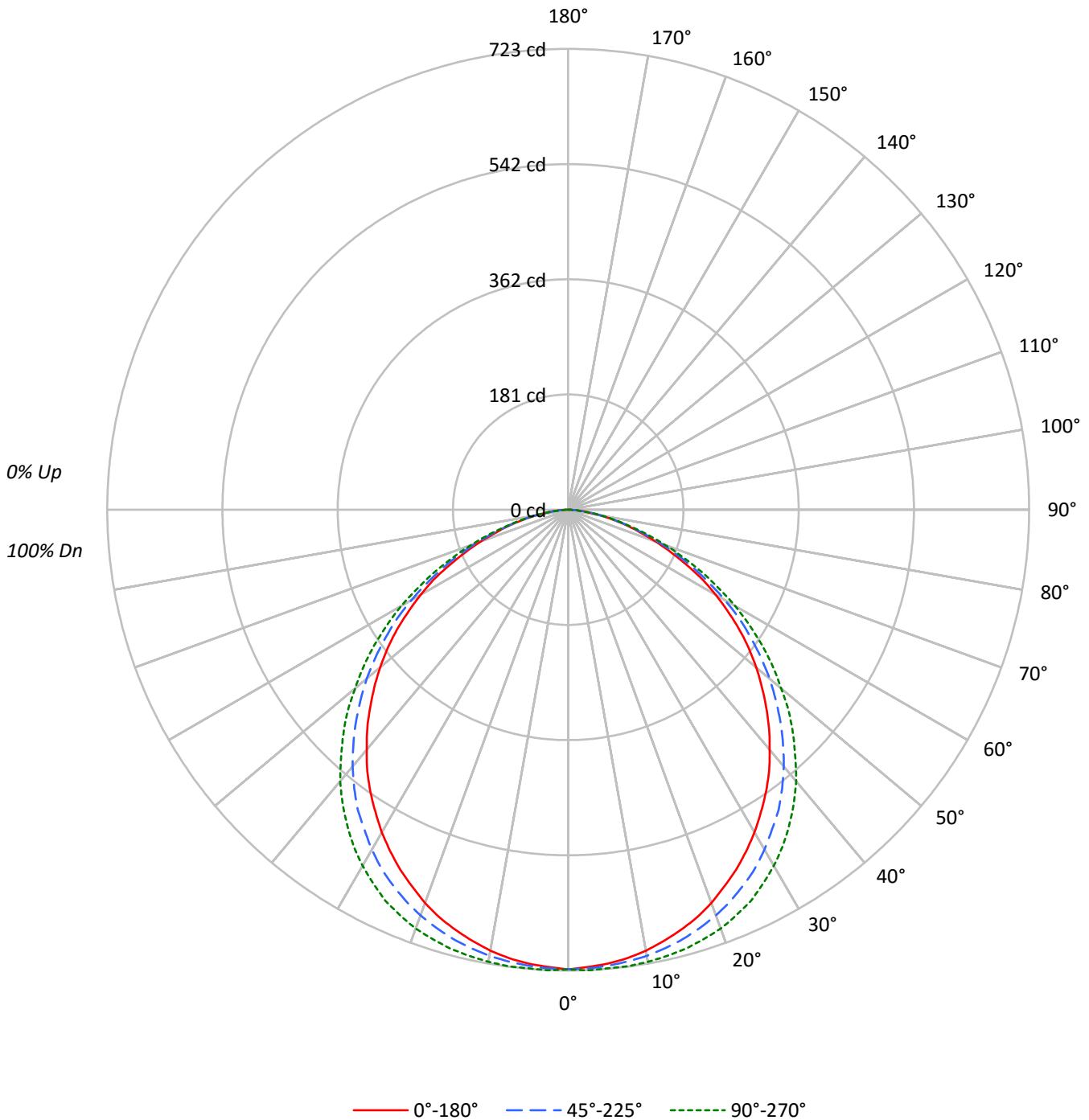
Input Watts (W): 19.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1941	1941	1941
5°	1931	1940	1951
10°	1919	1942	1968
15°	1902	1942	1986
20°	1880	1940	2003
25°	1850	1931	2011
30°	1816	1913	2004
35°	1776	1889	1985
40°	1727	1848	1954
45°	1672	1791	1899
50°	1612	1726	1827
55°	1537	1640	1743
60°	1438	1528	1629
65°	1303	1382	1469
70°	1149	1207	1273
75°	988	1010	1052
80°	792	809	824
85°	580	516	516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	3.5
10°-20°	196.9	10.2
20°-30°	299.4	15.4
30°-40°	358.3	18.5
40°-50°	362.2	18.7
50°-60°	311.7	16.1
60°-70°	215.2	11.1
70°-80°	104.3	5.4
80°-90°	22.6	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°	564.7	29.1
0°-40°	922.9	47.6
0°-60°	1596.8	82.4
0°-90°	1939.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1939.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	721	721	721	721	721	
5°	715	716	718	721	722	68
15°	683	687	697	708	713	193
25°	623	630	650	670	677	287
35°	541	550	575	596	604	338
45°	439	448	471	490	499	339
55°	328	333	350	365	372	292
65°	205	208	217	226	231	204
75°	95	93	97	100	101	101
85°	19	19	17	17	17	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	721.2	721.2	721.2	721.2	721.2
2.5°	718.1	718.1	720.2	722.2	723.3
5°	714.9	716.0	718.1	721.2	722.2
7.5°	709.7	710.8	714.9	720.2	722.2
10°	702.4	704.5	710.8	717.0	720.2
12.5°	693.0	697.2	704.5	712.8	717.0
15°	682.6	686.8	697.2	707.6	712.8
17.5°	671.1	675.3	687.8	701.4	706.6
20°	656.5	662.7	677.4	693.0	699.3
22.5°	639.8	648.1	664.8	681.5	688.8
25°	623.1	630.4	650.2	670.1	677.4
27.5°	604.3	612.6	634.6	654.4	661.7
30°	584.5	592.8	615.8	637.7	645.0
32.5°	562.6	573.0	594.9	617.9	626.2
35°	540.6	550.0	575.1	596.0	604.3
37.5°	517.7	526.0	551.1	573.0	581.3
40°	491.6	501.0	526.0	547.9	556.3
42.5°	466.5	475.9	498.9	519.8	527.1
45°	439.4	447.7	470.7	490.5	498.9
47.5°	412.3	421.7	441.5	461.3	469.7
50°	385.1	392.4	412.3	431.0	436.3
52.5°	356.9	363.2	380.9	397.6	405.0
55°	327.7	332.9	349.6	365.3	371.6
57.5°	296.4	302.7	318.3	329.8	337.1
60°	267.2	270.3	283.9	295.4	302.7
62.5°	238.0	239.0	249.4	260.9	265.1
65°	204.6	207.7	217.1	226.5	230.7
67.5°	174.3	177.4	184.7	192.0	195.2
70°	146.1	146.1	153.4	158.6	161.8
72.5°	117.9	119.0	124.2	127.3	130.5
75°	95.0	92.9	97.1	100.2	101.2
77.5°	71.0	69.9	73.1	74.1	76.2
80°	51.1	51.1	52.2	53.2	53.2
82.5°	33.4	33.4	34.4	32.4	31.3
85°	18.8	18.8	16.7	16.7	16.7
87.5°	6.3	6.3	6.3	7.3	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)