

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: P298062

Luminaire Tested: **D3X-WD-25L93050-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298062
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-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: 2130.0 lumens
Efficiency: N/A
Efficacy: 108.1 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

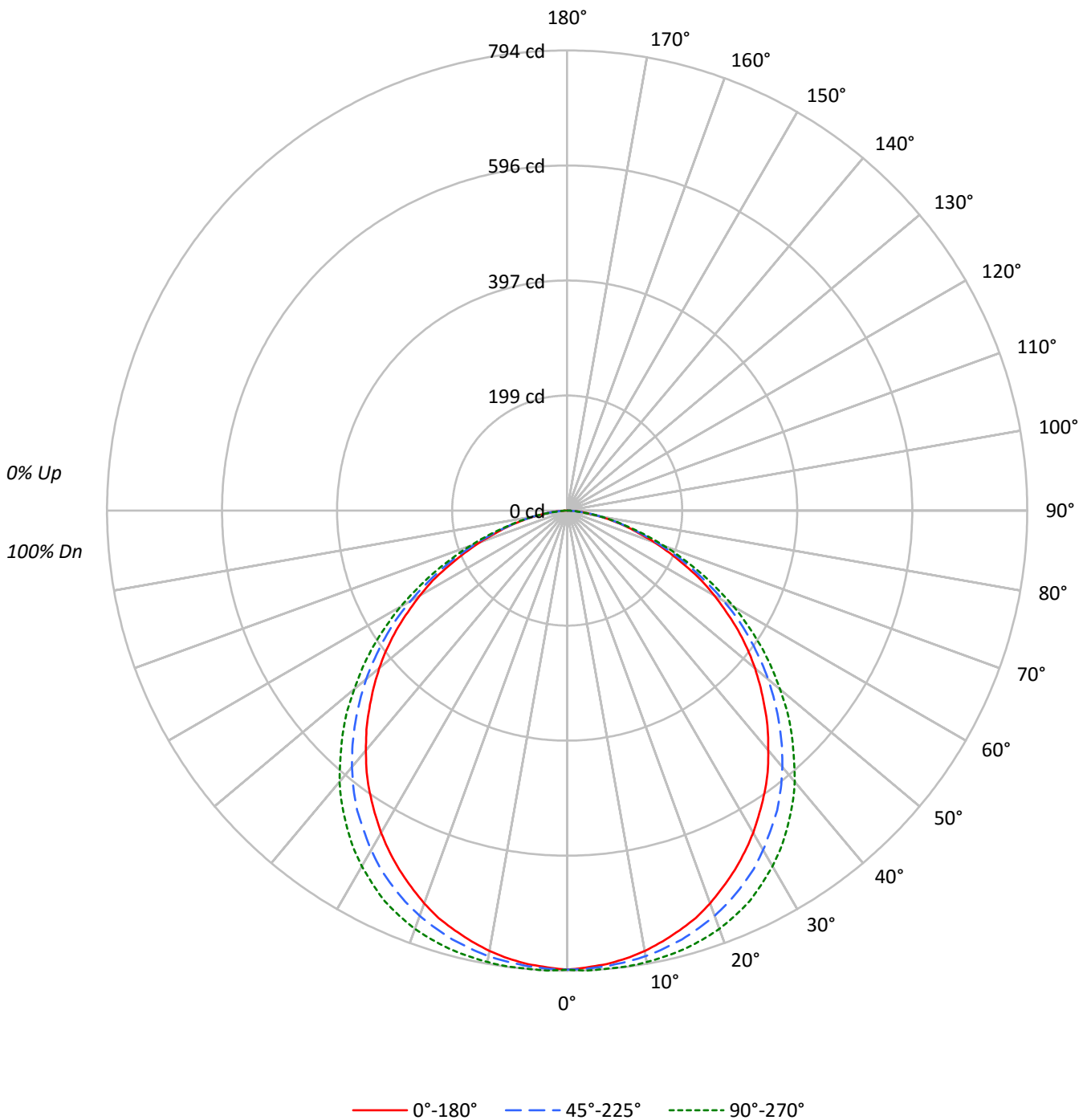
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2132	2132	2132
5°	2122	2131	2143
10°	2108	2134	2162
15°	2089	2134	2182
20°	2065	2131	2200
25°	2032	2121	2209
30°	1995	2102	2202
35°	1951	2075	2181
40°	1897	2030	2147
45°	1837	1968	2085
50°	1771	1896	2006
55°	1689	1802	1915
60°	1580	1678	1790
65°	1431	1519	1613
70°	1263	1326	1398
75°	1084	1108	1156
80°	871	888	907
85°	636	565	565



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	3.5
10°-20°	216.3	10.2
20°-30°	329.0	15.4
30°-40°	393.6	18.5
40°-50°	397.9	18.7
50°-60°	342.4	16.1
60°-70°	236.4	11.1
70°-80°	114.6	5.4
80°-90°	24.9	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°	620.3	29.1
0°-40°	1013.9	47.6
0°-60°	1754.1	82.4
0°-90°	2130.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2130.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	792	792	792	792	792	
5°	785	786	789	792	793	75
15°	750	754	766	777	783	212
25°	684	692	714	736	744	315
35°	594	604	632	655	664	371
45°	483	492	517	539	548	372
55°	360	366	384	401	408	321
65°	225	228	238	249	253	224
75°	104	102	107	110	111	111
85°	21	21	18	18	18	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	792.2	792.2	792.2	792.2	792.2
2.5°	788.8	788.8	791.1	793.4	794.5
5°	785.4	786.5	788.8	792.2	793.4
7.5°	779.6	780.8	785.4	791.1	793.4
10°	771.6	773.9	780.8	787.6	791.1
12.5°	761.3	765.9	773.9	783.1	787.6
15°	749.8	754.4	765.9	777.3	783.1
17.5°	737.2	741.8	755.5	770.5	776.2
20°	721.2	728.0	744.1	761.3	768.2
22.5°	702.8	712.0	730.3	748.7	756.7
25°	684.5	692.5	714.3	736.1	744.1
27.5°	663.8	673.0	697.1	718.9	726.9
30°	642.0	651.2	676.4	700.5	708.5
32.5°	618.0	629.4	653.5	678.7	687.9
35°	593.9	604.2	631.7	654.7	663.8
37.5°	568.7	577.8	605.4	629.4	638.6
40°	540.0	550.3	577.8	601.9	611.1
42.5°	512.5	522.8	548.0	571.0	579.0
45°	482.7	491.9	517.1	538.9	548.0
47.5°	452.9	463.2	485.0	506.8	515.9
50°	423.1	431.1	452.9	473.5	479.2
52.5°	392.1	399.0	418.5	436.8	444.8
55°	360.0	365.7	384.1	401.3	408.2
57.5°	325.6	332.5	349.7	362.3	370.3
60°	293.5	296.9	311.8	324.5	332.5
62.5°	261.4	262.5	274.0	286.6	291.2
65°	224.7	228.2	238.5	248.8	253.4
67.5°	191.5	194.9	202.9	211.0	214.4
70°	160.5	160.5	168.5	174.3	177.7
72.5°	129.6	130.7	136.4	139.9	143.3
75°	104.3	102.0	106.6	110.1	111.2
77.5°	78.0	76.8	80.3	81.4	83.7
80°	56.2	56.2	57.3	58.5	58.5
82.5°	36.7	36.7	37.8	35.5	34.4
85°	20.6	20.6	18.3	18.3	18.3
87.5°	6.9	6.9	6.9	8.0	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)