

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: P298394

Luminaire Tested: **D3X-WO-25L93050-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-25L93050-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1918.0 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

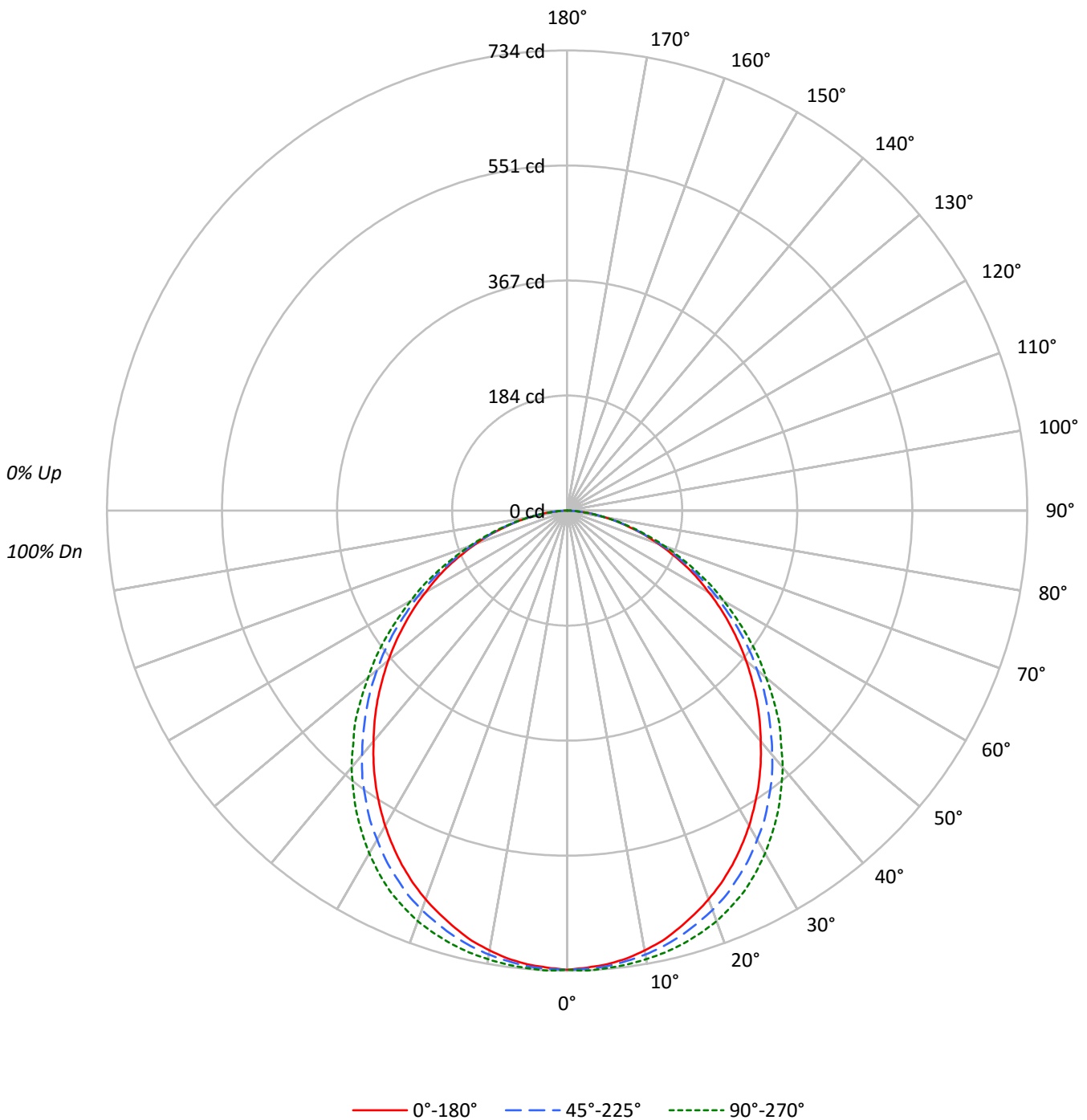
Input Watts (W): 19.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	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	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1971	1971	1971
5°	1963	1971	1979
10°	1947	1965	1986
15°	1921	1955	1993
20°	1890	1942	1996
25°	1852	1917	1988
30°	1804	1884	1961
35°	1751	1842	1926
40°	1688	1788	1879
45°	1628	1726	1821
50°	1559	1655	1735
55°	1488	1577	1653
60°	1403	1485	1552
65°	1326	1374	1441
70°	1217	1255	1300
75°	1082	1112	1142
80°	933	917	917
85°	707	648	590



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	3.6
10°-20°	198.1	10.3
20°-30°	297.4	15.5
30°-40°	350.0	18.2
40°-50°	349.1	18.2
50°-60°	299.6	15.6
60°-70°	214.5	11.2
70°-80°	113.6	5.9
80°-90°	26.6	1.4
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	29.4
0°-40°	914.7	47.7
0°-60°	1563.3	81.5
0°-90°	1918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1918.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	732	732	732	732	732	
5°	727	727	730	732	732	69
15°	690	692	702	712	715	194
25°	624	629	646	662	669	287
35°	533	540	561	580	586	333
45°	428	434	454	470	478	330
55°	317	322	336	348	352	283
65°	208	209	216	224	226	206
75°	104	104	107	109	110	112
85°	23	22	21	19	19	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	732.5	732.5	732.5	732.5	732.5
2.5°	729.6	729.6	731.5	733.4	734.4
5°	726.7	726.7	729.6	731.5	732.5
7.5°	721.0	721.0	724.8	728.6	730.6
10°	712.4	714.3	719.1	724.8	726.7
12.5°	702.9	704.8	711.5	719.1	722.0
15°	689.5	692.4	701.9	711.5	715.3
17.5°	675.2	679.0	690.4	701.9	706.7
20°	659.9	663.7	678.0	691.4	697.1
22.5°	642.7	647.5	663.7	678.0	683.8
25°	623.6	629.3	645.6	661.8	669.4
27.5°	602.6	609.3	627.4	644.6	651.3
30°	580.6	588.3	606.4	624.6	631.2
32.5°	556.8	563.4	585.4	602.6	609.3
35°	532.9	539.6	560.6	579.7	586.4
37.5°	507.1	515.7	536.7	553.9	560.6
40°	480.4	488.9	509.0	529.1	534.8
42.5°	454.6	462.2	481.3	499.5	505.2
45°	427.8	434.5	453.6	469.8	478.4
47.5°	400.1	406.8	425.9	441.2	446.0
50°	372.4	379.1	395.4	408.7	414.5
52.5°	344.7	351.4	366.7	379.1	384.9
55°	317.1	321.8	336.2	347.6	352.4
57.5°	289.4	293.2	304.6	317.1	319.9
60°	260.7	265.5	276.0	284.6	288.4
62.5°	234.9	236.8	246.4	254.0	258.8
65°	208.2	209.1	215.8	224.4	226.3
67.5°	180.5	181.4	188.1	192.9	194.8
70°	154.7	154.7	159.5	163.3	165.2
72.5°	129.9	128.9	131.8	135.6	137.5
75°	104.1	104.1	107.0	108.9	109.8
77.5°	82.1	80.2	82.1	84.0	84.0
80°	60.2	59.2	59.2	60.2	59.2
82.5°	41.1	40.1	41.1	39.2	38.2
85°	22.9	22.0	21.0	19.1	19.1
87.5°	7.6	6.7	6.7	7.6	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)