

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: P298352

Luminaire Tested: **D3X-WO-25L82765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298352
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-25L82765-LD5-UNV-22-T1-W2A-6500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2577.0 lumens
Efficiency: N/A
Efficacy: 130.8 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

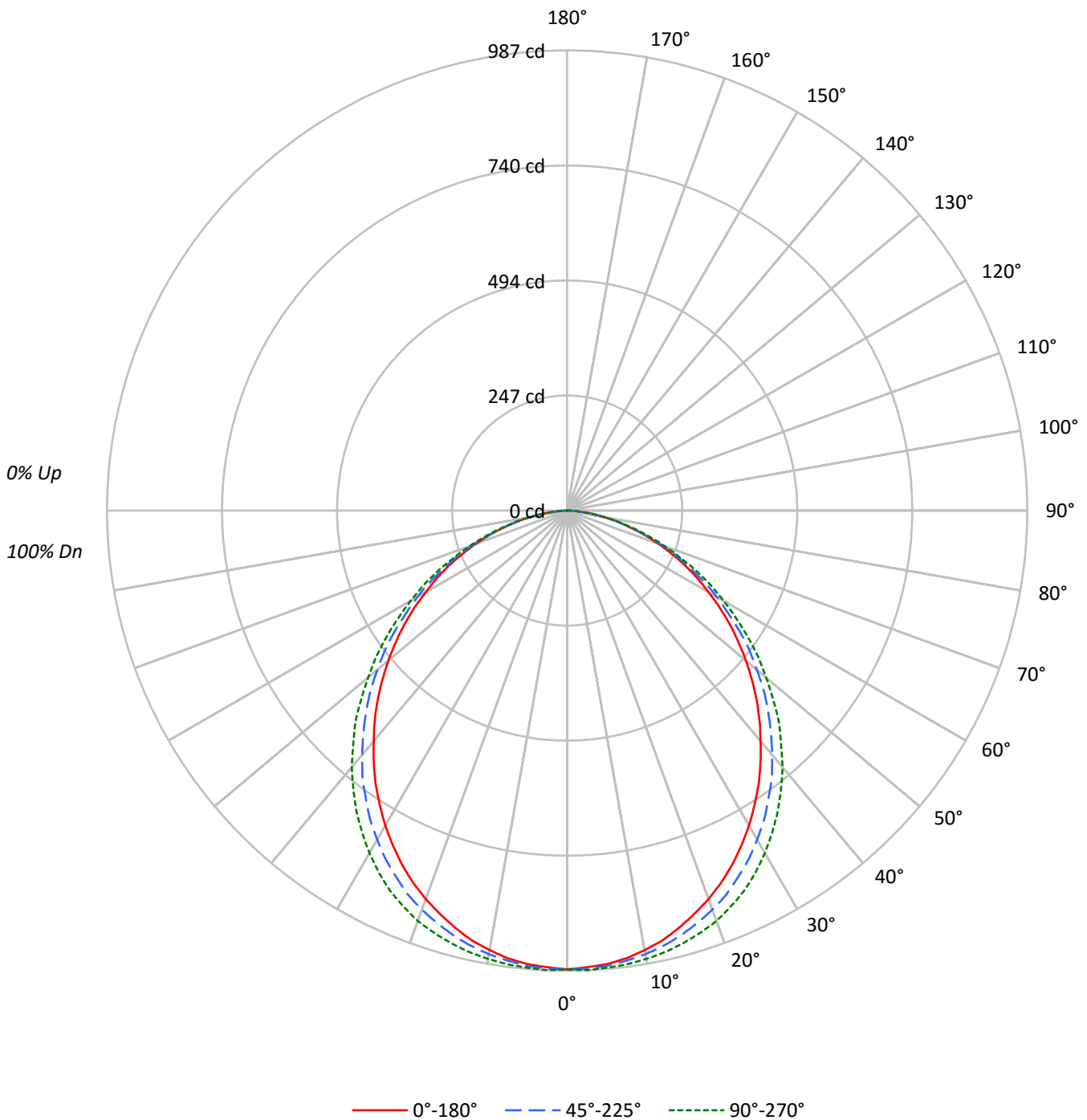
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2648	2648	2648
5°	2638	2648	2658
10°	2616	2640	2668
15°	2581	2627	2677
20°	2539	2609	2682
25°	2488	2575	2670
30°	2424	2532	2635
35°	2352	2474	2588
40°	2267	2402	2524
45°	2187	2320	2446
50°	2095	2224	2331
55°	1999	2119	2221
60°	1885	1996	2086
65°	1781	1847	1936
70°	1636	1686	1747
75°	1455	1494	1535
80°	1252	1234	1234
85°	951	871	794



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.1	3.6
10°-20°	266.1	10.3
20°-30°	399.5	15.5
30°-40°	470.2	18.2
40°-50°	469.0	18.2
50°-60°	402.5	15.6
60°-70°	288.2	11.2
70°-80°	152.7	5.9
80°-90°	35.7	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°	758.7	29.4
0°-40°	1228.9	47.7
0°-60°	2100.4	81.5
0°-90°	2577.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2577.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	984	984	984	984	984	
5°	976	976	980	983	984	93
15°	926	930	943	956	961	261
25°	838	846	867	889	899	386
35°	716	725	753	779	788	447
45°	575	584	610	631	643	443
55°	426	432	452	467	474	381
65°	280	281	290	302	304	276
75°	140	140	144	146	148	150
85°	31	30	28	26	26	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	984.1	984.1	984.1	984.1	984.1
2.5°	980.3	980.3	982.8	985.4	986.7
5°	976.4	976.4	980.3	982.8	984.1
7.5°	968.7	968.7	973.9	979.0	981.6
10°	957.2	959.8	966.2	973.9	976.4
12.5°	944.4	946.9	955.9	966.2	970.0
15°	926.4	930.2	943.1	955.9	961.0
17.5°	907.1	912.3	927.7	943.1	949.5
20°	886.6	891.8	911.0	929.0	936.7
22.5°	863.5	869.9	891.8	911.0	918.7
25°	837.9	845.6	867.4	889.2	899.4
27.5°	809.6	818.6	843.0	866.1	875.1
30°	780.1	790.4	814.8	839.1	848.1
32.5°	748.0	757.0	786.5	809.6	818.6
35°	716.0	724.9	753.2	778.8	787.8
37.5°	681.3	692.9	721.1	744.2	753.2
40°	645.4	656.9	683.9	710.8	718.5
42.5°	610.8	621.0	646.7	671.1	678.8
45°	574.8	583.8	609.5	631.3	642.8
47.5°	537.6	546.6	572.3	592.8	599.2
50°	500.4	509.4	531.2	549.2	556.9
52.5°	463.2	472.2	492.7	509.4	517.1
55°	426.0	432.4	451.6	467.0	473.5
57.5°	388.8	393.9	409.3	426.0	429.8
60°	350.3	356.7	370.8	382.4	387.5
62.5°	315.6	318.2	331.0	341.3	347.7
65°	279.7	281.0	290.0	301.5	304.1
67.5°	242.5	243.8	252.8	259.2	261.8
70°	207.9	207.9	214.3	219.4	222.0
72.5°	174.5	173.2	177.1	182.2	184.8
75°	139.9	139.9	143.7	146.3	147.6
77.5°	110.3	107.8	110.3	112.9	112.9
80°	80.8	79.6	79.6	80.8	79.6
82.5°	55.2	53.9	55.2	52.6	51.3
85°	30.8	29.5	28.2	25.7	25.7
87.5°	10.3	9.0	9.0	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)