

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: P298442

Luminaire Tested: **D3X-WO-31L92765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298442
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-31L92765-LD5-UNV-22-T1-W2A-5000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2907.0 lumens
Efficiency: N/A
Efficacy: 116.3 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

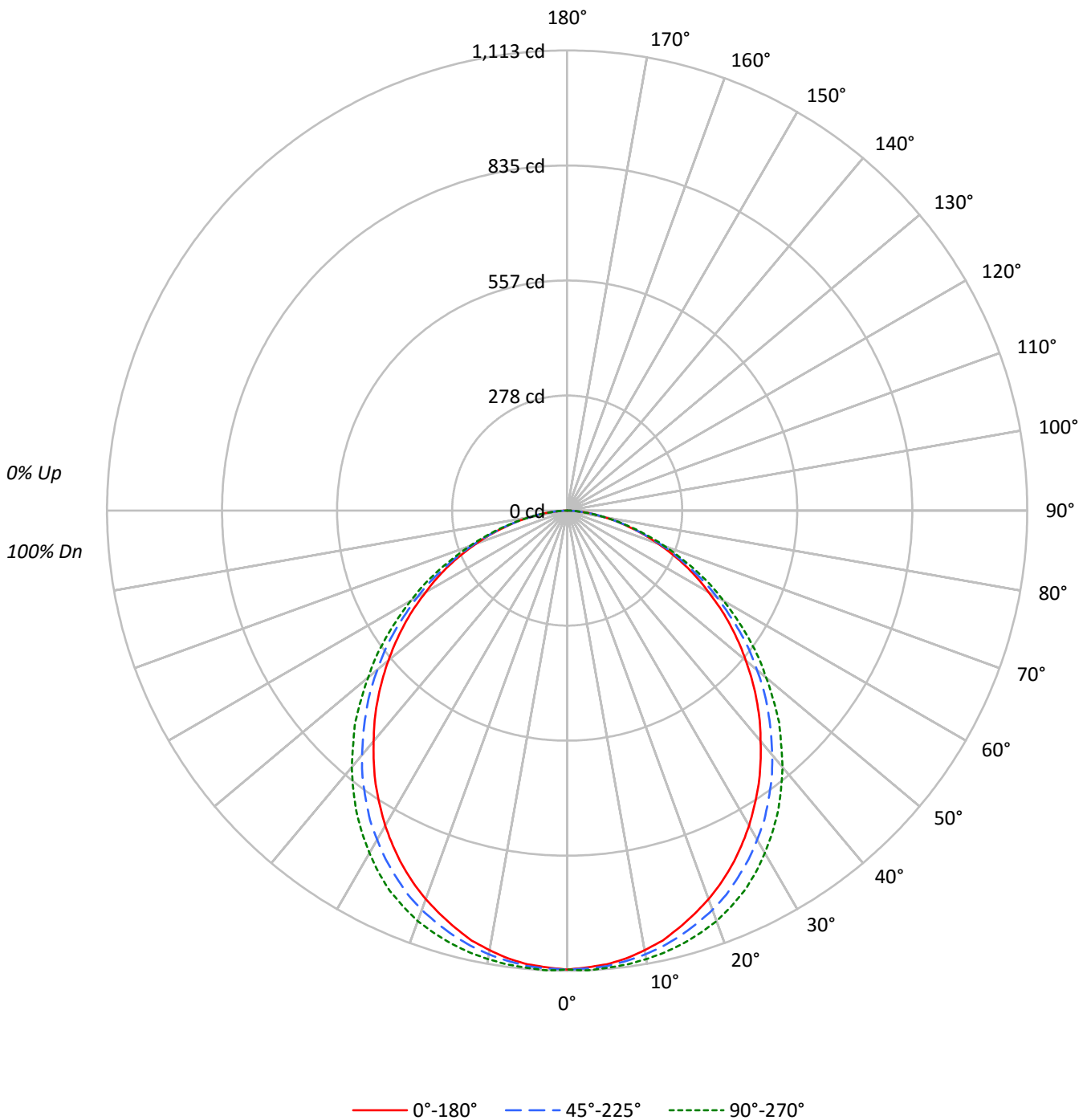
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2988	2988	2988
5°	2975	2987	2999
10°	2951	2978	3010
15°	2911	2964	3020
20°	2864	2943	3026
25°	2806	2905	3013
30°	2734	2856	2973
35°	2653	2791	2919
40°	2557	2710	2847
45°	2468	2616	2759
50°	2363	2509	2630
55°	2254	2390	2506
60°	2126	2251	2352
65°	2009	2083	2184
70°	1845	1902	1970
75°	1641	1685	1731
80°	1413	1390	1390
85°	1071	982	892



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.0	3.6
10°-20°	300.2	10.3
20°-30°	450.7	15.5
30°-40°	530.4	18.2
40°-50°	529.1	18.2
50°-60°	454.0	15.6
60°-70°	325.2	11.2
70°-80°	172.2	5.9
80°-90°	40.2	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°	855.9	29.4
0°-40°	1386.3	47.7
0°-60°	2369.4	81.5
0°-90°	2907.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2907.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1110	1110	1110	1110	1110	
5°	1102	1102	1106	1109	1110	104
15°	1045	1049	1064	1078	1084	295
25°	945	954	978	1003	1015	435
35°	808	818	850	879	889	504
45°	648	659	688	712	725	500
55°	480	488	510	527	534	430
65°	316	317	327	340	343	312
75°	158	158	162	165	166	169
85°	35	33	32	29	29	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1110.2	1110.2	1110.2	1110.2	1110.2
2.5°	1105.8	1105.8	1108.7	1111.6	1113.1
5°	1101.5	1101.5	1105.8	1108.7	1110.2
7.5°	1092.8	1092.8	1098.6	1104.4	1107.3
10°	1079.8	1082.7	1089.9	1098.6	1101.5
12.5°	1065.3	1068.2	1078.3	1089.9	1094.2
15°	1045.0	1049.4	1063.8	1078.3	1084.1
17.5°	1023.3	1029.1	1046.5	1063.8	1071.1
20°	1000.2	1005.9	1027.7	1047.9	1056.6
22.5°	974.1	981.3	1005.9	1027.7	1036.3
25°	945.2	953.8	978.4	1003.0	1014.6
27.5°	913.3	923.4	950.9	977.0	987.1
30°	880.0	891.6	919.1	946.6	956.7
32.5°	843.8	854.0	887.3	913.3	923.4
35°	807.7	817.8	849.6	878.6	888.7
37.5°	768.6	781.6	813.4	839.5	849.6
40°	728.0	741.1	771.5	801.9	810.5
42.5°	689.0	700.5	729.5	757.0	765.7
45°	648.4	658.6	687.5	712.1	725.1
47.5°	606.5	616.6	645.5	668.7	675.9
50°	564.5	574.6	599.2	619.5	628.2
52.5°	522.5	532.6	555.8	574.6	583.3
55°	480.5	487.8	509.5	526.9	534.1
57.5°	438.6	444.4	461.7	480.5	484.9
60°	395.1	402.4	418.3	431.3	437.1
62.5°	356.1	359.0	373.4	385.0	392.2
65°	315.5	317.0	327.1	340.1	343.0
67.5°	273.6	275.0	285.1	292.4	295.3
70°	234.5	234.5	241.7	247.5	250.4
72.5°	196.8	195.4	199.7	205.5	208.4
75°	157.8	157.8	162.1	165.0	166.5
77.5°	124.5	121.6	124.5	127.4	127.4
80°	91.2	89.7	89.7	91.2	89.7
82.5°	62.2	60.8	62.2	59.3	57.9
85°	34.7	33.3	31.8	28.9	28.9
87.5°	11.6	10.1	10.1	11.6	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)