

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: P298445

Luminaire Tested: **D3X-WO-31L92765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298445
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-6500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2985.0 lumens
Efficiency: N/A
Efficacy: 116.6 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

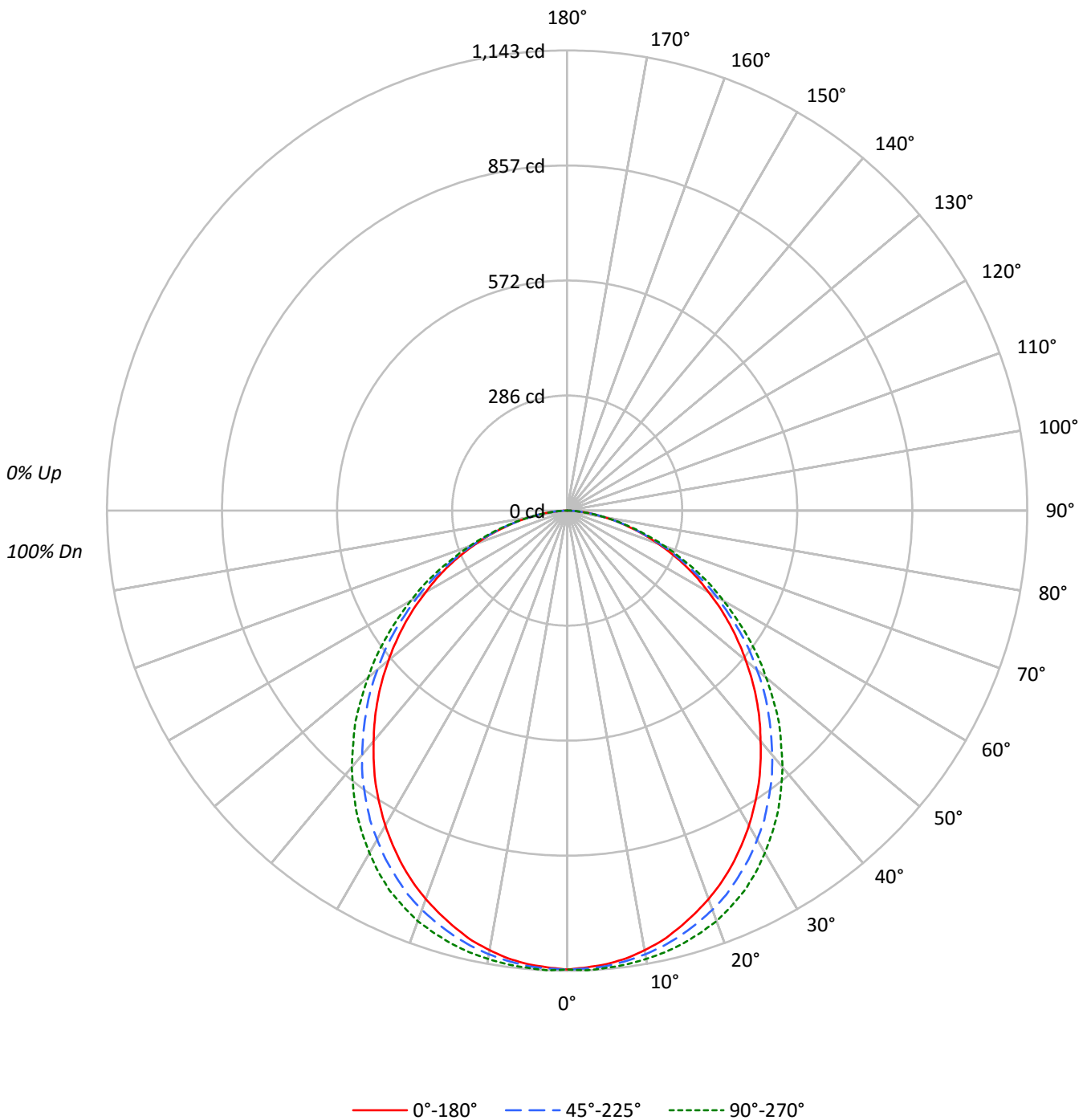
Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3067	3067	3067
5°	3055	3067	3079
10°	3030	3058	3090
15°	2990	3043	3101
20°	2941	3022	3107
25°	2882	2983	3094
30°	2808	2933	3053
35°	2724	2866	2998
40°	2626	2783	2924
45°	2534	2687	2834
50°	2426	2576	2700
55°	2315	2455	2573
60°	2183	2312	2415
65°	2063	2139	2243
70°	1895	1953	2023
75°	1684	1731	1777
80°	1450	1427	1427
85°	1102	1010	917



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	3.6
10°-20°	308.2	10.3
20°-30°	462.8	15.5
30°-40°	544.7	18.2
40°-50°	543.3	18.2
50°-60°	466.2	15.6
60°-70°	333.9	11.2
70°-80°	176.8	5.9
80°-90°	41.3	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°	878.8	29.4
0°-40°	1423.5	47.7
0°-60°	2432.9	81.5
0°-90°	2985.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2985.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1140	1140	1140	1140	1140	
5°	1131	1131	1136	1138	1140	107
15°	1073	1078	1092	1107	1113	303
25°	970	979	1005	1030	1042	447
35°	829	840	872	902	913	518
45°	666	676	706	731	745	513
55°	493	501	523	541	548	441
65°	324	326	336	349	352	320
75°	162	162	166	169	171	174
85°	36	34	33	30	30	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1139.9	1139.9	1139.9	1139.9	1139.9
2.5°	1135.5	1135.5	1138.5	1141.4	1142.9
5°	1131.0	1131.0	1135.5	1138.5	1139.9
7.5°	1122.1	1122.1	1128.1	1134.0	1137.0
10°	1108.7	1111.7	1119.1	1128.1	1131.0
12.5°	1093.9	1096.8	1107.2	1119.1	1123.6
15°	1073.1	1077.5	1092.4	1107.2	1113.2
17.5°	1050.8	1056.7	1074.6	1092.4	1099.8
20°	1027.0	1032.9	1055.2	1076.0	1085.0
22.5°	1000.2	1007.7	1032.9	1055.2	1064.1
25°	970.5	979.4	1004.7	1030.0	1041.9
27.5°	937.8	948.2	976.5	1003.2	1013.6
30°	903.6	915.5	943.8	972.0	982.4
32.5°	866.5	876.9	911.1	937.8	948.2
35°	829.3	839.7	872.4	902.1	912.6
37.5°	789.2	802.6	835.3	862.0	872.4
40°	747.6	761.0	792.2	823.4	832.3
42.5°	707.4	719.3	749.1	777.3	786.2
45°	665.8	676.2	706.0	731.2	744.6
47.5°	622.7	633.1	662.9	686.6	694.1
50°	579.6	590.0	615.3	636.1	645.0
52.5°	536.5	546.9	570.7	590.0	599.0
55°	493.4	500.9	523.2	541.0	548.4
57.5°	450.3	456.3	474.1	493.4	497.9
60°	405.7	413.2	429.5	442.9	448.8
62.5°	365.6	368.6	383.4	395.3	402.8
65°	324.0	325.5	335.9	349.3	352.2
67.5°	280.9	282.4	292.8	300.2	303.2
70°	240.8	240.8	248.2	254.1	257.1
72.5°	202.1	200.6	205.1	211.0	214.0
75°	162.0	162.0	166.5	169.4	170.9
77.5°	127.8	124.8	127.8	130.8	130.8
80°	93.6	92.1	92.1	93.6	92.1
82.5°	63.9	62.4	63.9	60.9	59.4
85°	35.7	34.2	32.7	29.7	29.7
87.5°	11.9	10.4	10.4	11.9	11.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)