

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: P298455

Luminaire Tested: **D3X-WO-40L92765-LD5-UNV-22-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298455
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-40L92765-LD5-UNV-22-T1-W2A-2700K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3138.0 lumens
Efficiency: N/A
Efficacy: 98.1 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

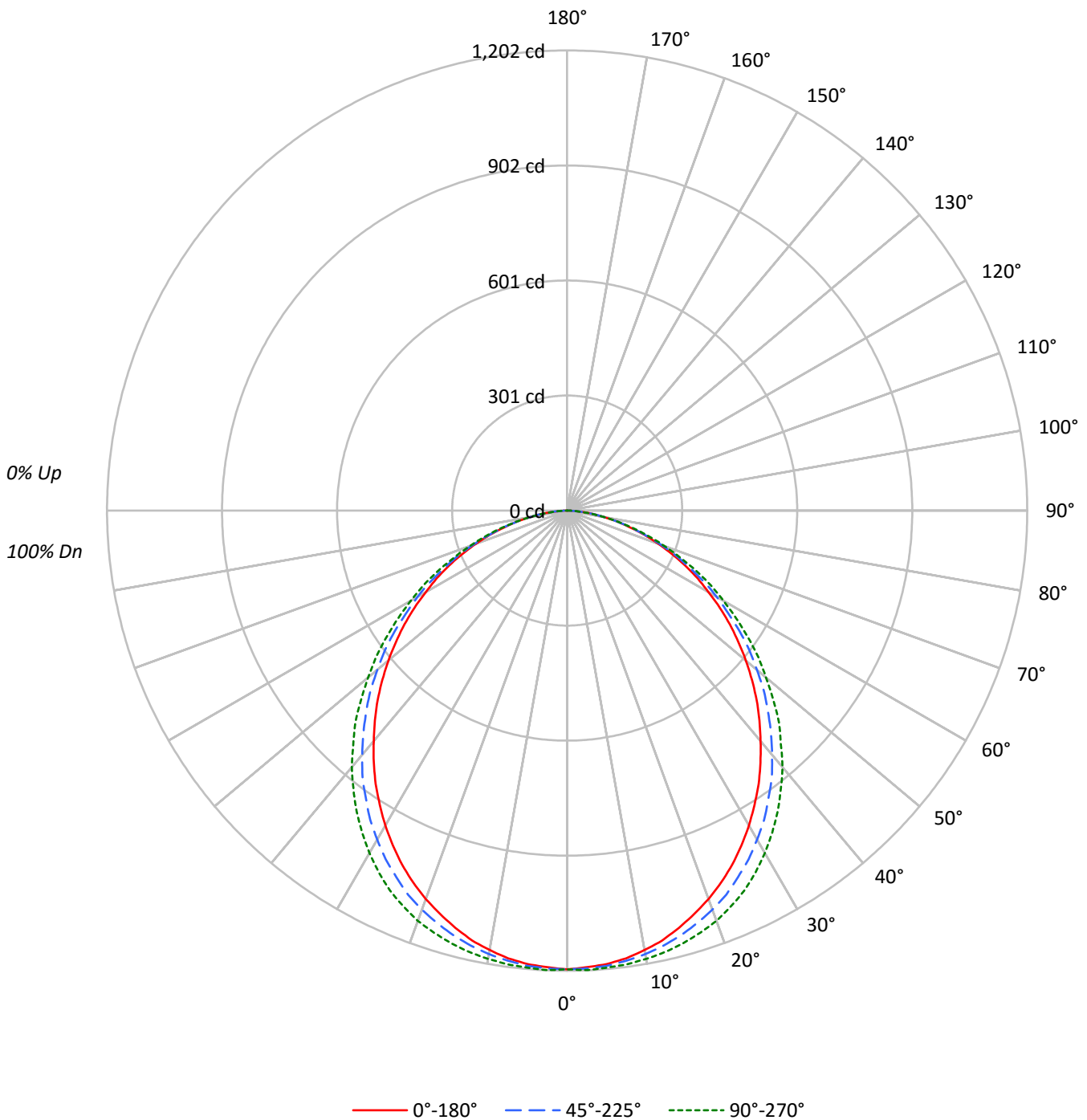
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60					60			
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3225	3225	3225
5°	3212	3224	3237
10°	3185	3215	3249
15°	3143	3199	3260
20°	3092	3177	3266
25°	3029	3136	3252
30°	2952	3083	3209
35°	2864	3013	3151
40°	2761	2925	3074
45°	2664	2824	2979
50°	2551	2708	2839
55°	2434	2580	2705
60°	2295	2430	2539
65°	2169	2248	2358
70°	1991	2053	2127
75°	1771	1820	1868
80°	1525	1502	1502
85°	1158	1062	963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.4	3.6
10°-20°	324.0	10.3
20°-30°	486.5	15.5
30°-40°	572.6	18.2
40°-50°	571.1	18.2
50°-60°	490.1	15.6
60°-70°	351.0	11.2
70°-80°	185.9	5.9
80°-90°	43.5	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°	923.9	29.4
0°-40°	1496.5	47.7
0°-60°	2557.6	81.5
0°-90°	3138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3138.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1198	1198	1198	1198	1198	
5°	1189	1189	1194	1197	1198	113
15°	1128	1133	1148	1164	1170	318
25°	1020	1030	1056	1083	1095	469
35°	872	883	917	948	959	545
45°	700	711	742	769	783	539
55°	519	526	550	569	576	464
65°	341	342	353	367	370	336
75°	170	170	175	178	180	183
85°	38	36	34	31	31	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1198.4	1198.4	1198.4	1198.4	1198.4
2.5°	1193.7	1193.7	1196.8	1199.9	1201.5
5°	1189.0	1189.0	1193.7	1196.8	1198.4
7.5°	1179.6	1179.6	1185.9	1192.1	1195.2
10°	1165.6	1168.7	1176.5	1185.9	1189.0
12.5°	1149.9	1153.1	1164.0	1176.5	1181.2
15°	1128.1	1132.8	1148.4	1164.0	1170.3
17.5°	1104.6	1110.9	1129.6	1148.4	1156.2
20°	1079.6	1085.9	1109.3	1131.2	1140.6
22.5°	1051.5	1059.3	1085.9	1109.3	1118.7
25°	1020.3	1029.6	1056.2	1082.8	1095.3
27.5°	985.9	996.8	1026.5	1054.6	1065.6
30°	949.9	962.4	992.1	1021.8	1032.8
32.5°	910.9	921.8	957.8	985.9	996.8
35°	871.8	882.8	917.1	948.4	959.3
37.5°	829.6	843.7	878.1	906.2	917.1
40°	785.9	800.0	832.8	865.6	875.0
42.5°	743.7	756.2	787.5	817.1	826.5
45°	700.0	710.9	742.1	768.7	782.8
47.5°	654.7	665.6	696.8	721.8	729.6
50°	609.3	620.3	646.8	668.7	678.1
52.5°	564.0	575.0	600.0	620.3	629.7
55°	518.7	526.5	550.0	568.7	576.5
57.5°	473.4	479.7	498.4	518.7	523.4
60°	426.5	434.4	451.5	465.6	471.8
62.5°	384.4	387.5	403.1	415.6	423.4
65°	340.6	342.2	353.1	367.2	370.3
67.5°	295.3	296.9	307.8	315.6	318.7
70°	253.1	253.1	260.9	267.2	270.3
72.5°	212.5	210.9	215.6	221.9	225.0
75°	170.3	170.3	175.0	178.1	179.7
77.5°	134.4	131.2	134.4	137.5	137.5
80°	98.4	96.9	96.9	98.4	96.9
82.5°	67.2	65.6	67.2	64.1	62.5
85°	37.5	35.9	34.4	31.2	31.2
87.5°	12.5	10.9	10.9	12.5	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)