

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: P297960

Luminaire Tested: **D3X-WO-40L92765-LD5-UNV-14-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)
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-14-T1-W2A-2700K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3179.0 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

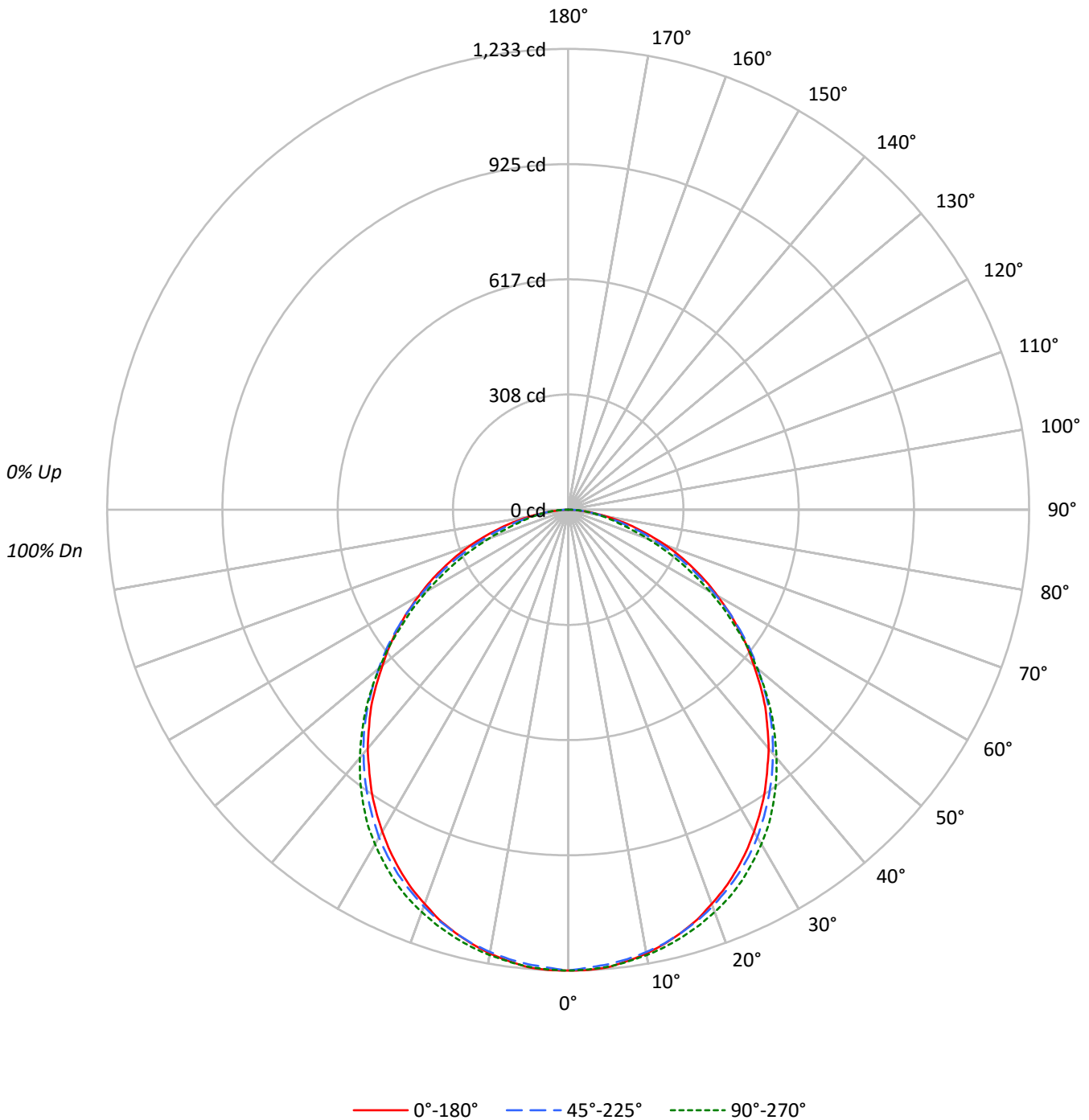
Input Watts (W): 39.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3318	3318	3318
5°	3320	3298	3316
10°	3296	3284	3307
15°	3262	3262	3296
20°	3214	3234	3280
25°	3161	3197	3257
30°	3090	3145	3212
35°	3015	3072	3143
40°	2930	2992	3044
45°	2836	2898	2923
50°	2714	2770	2759
55°	2611	2630	2561
60°	2481	2444	2350
65°	2343	2248	2094
70°	2174	1993	1770
75°	1934	1709	1457
80°	1609	1399	1358
85°	1164	1247	1247



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	3.7
10°-20°	331.5	10.4
20°-30°	496.8	15.6
30°-40°	585.3	18.4
40°-50°	583.8	18.4
50°-60°	496.6	15.6
60°-70°	346.6	10.9
70°-80°	176.1	5.5
80°-90°	46.0	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°	944.6	29.7
0°-40°	1529.9	48.1
0°-60°	2610.3	82.1
0°-90°	3179.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3179.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1233	1233	1233	1233	1233	
5°	1229	1226	1221	1228	1228	117
15°	1171	1171	1171	1182	1183	330
25°	1065	1066	1077	1093	1097	490
35°	918	919	935	954	957	573
45°	745	748	761	767	768	573
55°	556	556	561	552	546	497
65°	368	362	353	334	329	365
75°	186	179	164	144	140	197
85°	38	39	40	40	40	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1233.0	1233.0	1233.0	1233.0	1233.0
2.5°	1233.0	1231.7	1226.3	1231.7	1231.7
5°	1229.0	1226.3	1220.9	1227.6	1227.6
7.5°	1218.2	1216.9	1212.8	1219.5	1219.5
10°	1206.1	1204.7	1202.0	1210.1	1210.1
12.5°	1189.9	1189.9	1188.6	1196.6	1198.0
15°	1171.0	1171.0	1171.0	1181.8	1183.2
17.5°	1149.5	1148.1	1152.2	1164.3	1165.6
20°	1122.5	1123.9	1129.3	1142.7	1145.4
22.5°	1095.6	1096.9	1103.7	1119.8	1123.9
25°	1064.6	1065.9	1076.7	1092.9	1096.9
27.5°	1030.9	1033.6	1045.7	1063.2	1065.9
30°	994.5	997.2	1012.0	1029.5	1033.6
32.5°	956.8	960.8	974.3	993.2	998.5
35°	917.7	919.0	935.2	954.1	956.8
37.5°	874.6	878.6	894.8	911.0	913.7
40°	834.1	836.8	851.7	865.1	866.5
42.5°	788.3	792.4	808.5	818.0	818.0
45°	745.2	747.9	761.4	766.8	768.1
47.5°	696.7	699.4	711.5	714.2	714.2
50°	648.2	654.9	661.7	661.7	659.0
52.5°	603.7	605.1	613.1	607.8	605.1
55°	556.5	556.5	560.6	552.5	545.8
57.5°	509.4	509.4	509.4	498.6	493.2
60°	460.9	459.5	454.1	440.7	436.6
62.5°	415.1	411.0	402.9	389.4	381.4
65°	367.9	362.5	353.1	334.2	328.8
67.5°	323.4	314.0	303.2	285.7	276.3
70°	276.3	268.2	253.3	233.1	225.0
72.5°	230.4	222.3	210.2	190.0	177.9
75°	186.0	179.2	164.4	144.2	140.1
77.5°	142.8	138.8	124.0	114.5	113.2
80°	103.8	102.4	90.3	87.6	87.6
82.5°	68.7	67.4	63.3	63.3	62.0
85°	37.7	39.1	40.4	40.4	40.4
87.5°	13.5	16.2	18.9	18.9	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)