

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: P297963

Luminaire Tested: **D3X-WO-40L92765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297963
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-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3583.0 lumens
Efficiency: N/A
Efficacy: 89.8 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

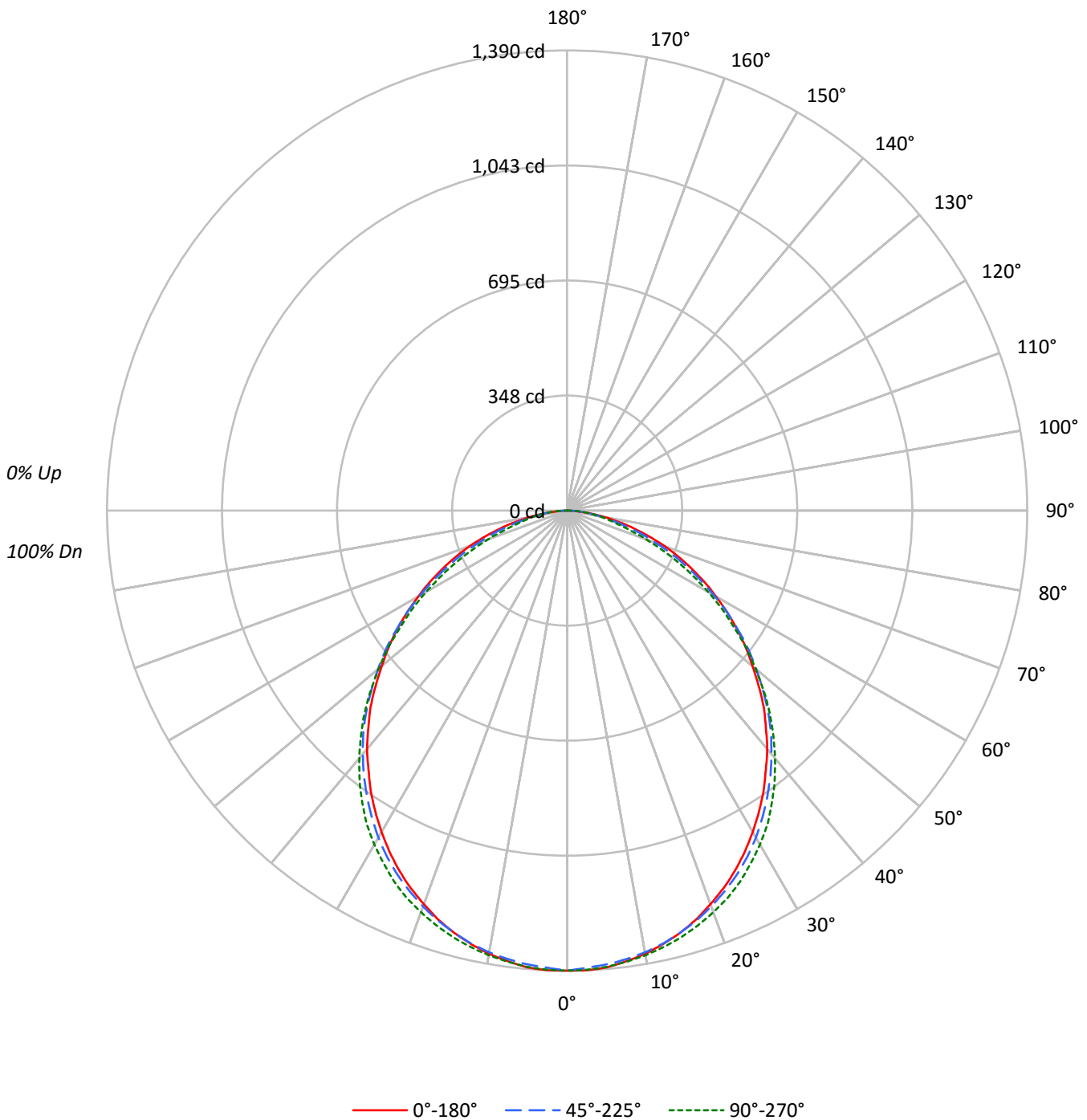
Input Watts (W): 39.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3740	3740	3740
5°	3742	3717	3737
10°	3714	3702	3727
15°	3677	3677	3715
20°	3623	3645	3697
25°	3563	3603	3671
30°	3483	3544	3620
35°	3398	3463	3543
40°	3303	3372	3431
45°	3196	3266	3295
50°	3059	3122	3109
55°	2943	2964	2886
60°	2795	2754	2648
65°	2640	2534	2360
70°	2450	2246	1995
75°	2179	1927	1643
80°	1812	1578	1530
85°	1312	1408	1408



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.2	3.7
10°-20°	373.6	10.4
20°-30°	559.9	15.6
30°-40°	659.7	18.4
40°-50°	658.0	18.4
50°-60°	559.7	15.6
60°-70°	390.6	10.9
70°-80°	198.5	5.5
80°-90°	51.9	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°	1064.7	29.7
0°-40°	1724.4	48.1
0°-60°	2942.0	82.1
0°-90°	3583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3583.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1390	1390	1390	1390	1390	
5°	1385	1382	1376	1384	1384	131
15°	1320	1320	1320	1332	1334	372
25°	1200	1201	1214	1232	1236	552
35°	1034	1036	1054	1075	1078	646
45°	840	843	858	864	866	646
55°	627	627	632	623	615	560
65°	415	409	398	377	371	411
75°	210	202	185	162	158	223
85°	42	44	46	46	46	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1389.7	1389.7	1389.7	1389.7	1389.7
2.5°	1389.7	1388.2	1382.1	1388.2	1388.2
5°	1385.2	1382.1	1376.1	1383.6	1383.6
7.5°	1373.0	1371.5	1366.9	1374.5	1374.5
10°	1359.3	1357.8	1354.8	1363.9	1363.9
12.5°	1341.1	1341.1	1339.6	1348.7	1350.2
15°	1319.9	1319.9	1319.9	1332.0	1333.5
17.5°	1295.6	1294.0	1298.6	1312.3	1313.8
20°	1265.2	1266.7	1272.8	1288.0	1291.0
22.5°	1234.8	1236.3	1243.9	1262.1	1266.7
25°	1199.9	1201.4	1213.5	1231.8	1236.3
27.5°	1161.9	1164.9	1178.6	1198.3	1201.4
30°	1120.9	1123.9	1140.6	1160.4	1164.9
32.5°	1078.4	1082.9	1098.1	1119.4	1125.4
35°	1034.3	1035.8	1054.1	1075.3	1078.4
37.5°	985.7	990.3	1008.5	1026.7	1029.8
40°	940.2	943.2	959.9	975.1	976.6
42.5°	888.5	893.1	911.3	921.9	921.9
45°	839.9	842.9	858.1	864.2	865.7
47.5°	785.2	788.3	801.9	805.0	805.0
50°	730.6	738.1	745.7	745.7	742.7
52.5°	680.4	682.0	691.1	685.0	682.0
55°	627.3	627.3	631.8	622.7	615.1
57.5°	574.1	574.1	574.1	562.0	555.9
60°	519.4	517.9	511.8	496.7	492.1
62.5°	467.8	463.2	454.1	438.9	429.8
65°	414.6	408.6	397.9	376.7	370.6
67.5°	364.5	353.9	341.7	322.0	311.4
70°	311.4	302.2	285.5	262.8	253.6
72.5°	259.7	250.6	236.9	214.2	200.5
75°	209.6	202.0	185.3	162.5	158.0
77.5°	161.0	156.4	139.7	129.1	127.6
80°	116.9	115.4	101.8	98.7	98.7
82.5°	77.5	75.9	71.4	71.4	69.9
85°	42.5	44.0	45.6	45.6	45.6
87.5°	15.2	18.2	21.3	21.3	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)