

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: P297966

Luminaire Tested: **D3X-WO-40L92765-LD5-UNV-14-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297966
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-5500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3808.0 lumens
Efficiency: N/A
Efficacy: 94.0 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

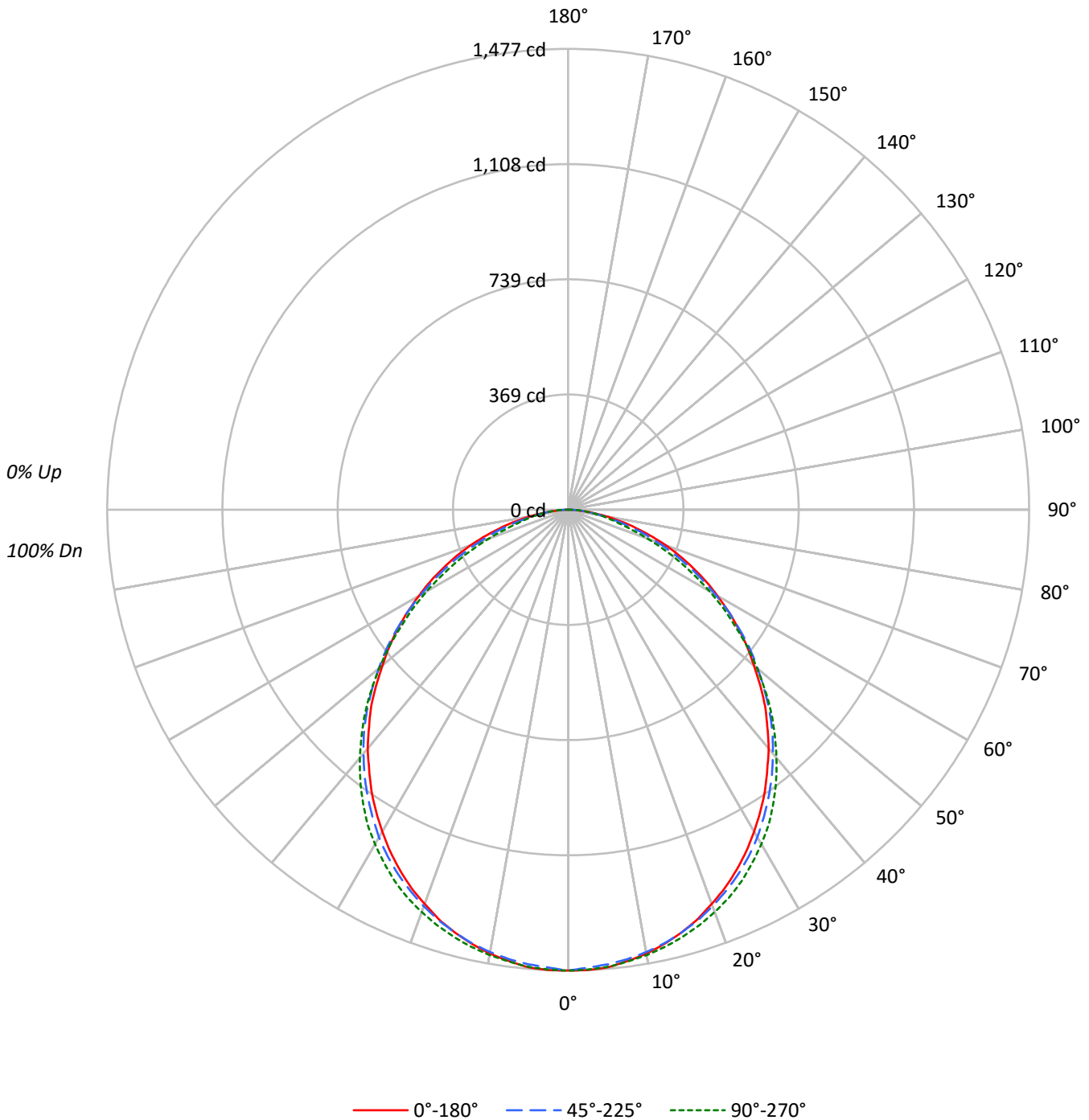
Input Watts (W): 40.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297966

CATALOG NUMBER: D3X-WO-40L92765-LD5-UNV-14-T1-W2A-5500K

Luminous Intensity Polar Plot





TEST NUMBER: P297966

CATALOG NUMBER: D3X-WO-40L92765-LD5-UNV-14-T1-W2A-5500K

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°	3975	3975	3975
5°	3977	3951	3972
10°	3948	3935	3961
15°	3908	3908	3948
20°	3851	3874	3929
25°	3786	3829	3901
30°	3702	3767	3847
35°	3611	3680	3765
40°	3510	3584	3646
45°	3397	3471	3502
50°	3250	3318	3304
55°	3128	3150	3067
60°	2971	2928	2815
65°	2806	2693	2508
70°	2603	2388	2121
75°	2316	2047	1746
80°	1926	1677	1626
85°	1396	1494	1494



TEST NUMBER: P297966

CATALOG NUMBER: D3X-WO-40L92765-LD5-UNV-14-T1-W2A-5500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.4	3.7
10°-20°	397.1	10.4
20°-30°	595.1	15.6
30°-40°	701.1	18.4
40°-50°	699.3	18.4
50°-60°	594.8	15.6
60°-70°	415.1	10.9
70°-80°	211.0	5.5
80°-90°	55.1	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°	1131.5	29.7
0°-40°	1832.7	48.1
0°-60°	3126.8	82.1
0°-90°	3808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3808.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1477	1477	1477	1477	1477	
5°	1472	1469	1462	1470	1470	140
15°	1403	1403	1403	1416	1417	395
25°	1275	1277	1290	1309	1314	587
35°	1099	1101	1120	1143	1146	687
45°	893	896	912	918	920	687
55°	667	667	672	662	654	596
65°	441	434	423	400	394	437
75°	223	215	197	173	168	237
85°	45	47	48	48	48	56
90°	0	0	0	0	0	



TEST NUMBER: P297966

CATALOG NUMBER: D3X-WO-40L92765-LD5-UNV-14-T1-W2A-5500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1477.0	1477.0	1477.0	1477.0	1477.0
2.5°	1477.0	1475.4	1468.9	1475.4	1475.4
5°	1472.1	1468.9	1462.5	1470.5	1470.5
7.5°	1459.2	1457.6	1452.8	1460.8	1460.8
10°	1444.7	1443.1	1439.9	1449.5	1449.5
12.5°	1425.3	1425.3	1423.7	1433.4	1435.0
15°	1402.7	1402.7	1402.7	1415.7	1417.3
17.5°	1376.9	1375.3	1380.1	1394.7	1396.3
20°	1344.6	1346.2	1352.7	1368.8	1372.1
22.5°	1312.3	1314.0	1322.0	1341.4	1346.2
25°	1275.2	1276.8	1289.7	1309.1	1314.0
27.5°	1234.9	1238.1	1252.6	1273.6	1276.8
30°	1191.3	1194.5	1212.3	1233.2	1238.1
32.5°	1146.1	1150.9	1167.1	1189.7	1196.1
35°	1099.3	1100.9	1120.3	1142.9	1146.1
37.5°	1047.6	1052.5	1071.8	1091.2	1094.4
40°	999.2	1002.4	1020.2	1036.3	1037.9
42.5°	944.3	949.1	968.5	979.8	979.8
45°	892.7	895.9	912.0	918.5	920.1
47.5°	834.5	837.8	852.3	855.5	855.5
50°	776.4	784.5	792.6	792.6	789.3
52.5°	723.2	724.8	734.5	728.0	724.8
55°	666.7	666.7	671.5	661.8	653.8
57.5°	610.2	610.2	610.2	597.3	590.8
60°	552.1	550.4	544.0	527.8	523.0
62.5°	497.2	492.3	482.6	466.5	456.8
65°	440.7	434.2	422.9	400.3	393.9
67.5°	387.4	376.1	363.2	342.2	330.9
70°	330.9	321.2	303.5	279.3	269.6
72.5°	276.0	266.3	251.8	227.6	213.1
75°	222.8	214.7	196.9	172.7	167.9
77.5°	171.1	166.3	148.5	137.2	135.6
80°	124.3	122.7	108.2	104.9	104.9
82.5°	82.3	80.7	75.9	75.9	74.3
85°	45.2	46.8	48.4	48.4	48.4
87.5°	16.1	19.4	22.6	22.6	22.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)