

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: P298364

Luminaire Tested: **D3X-WO-35L82765-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298364
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-35L82765-LD5-UNV-22-T1-W2A-3500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3457.0 lumens
Efficiency: N/A
Efficacy: 123.5 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

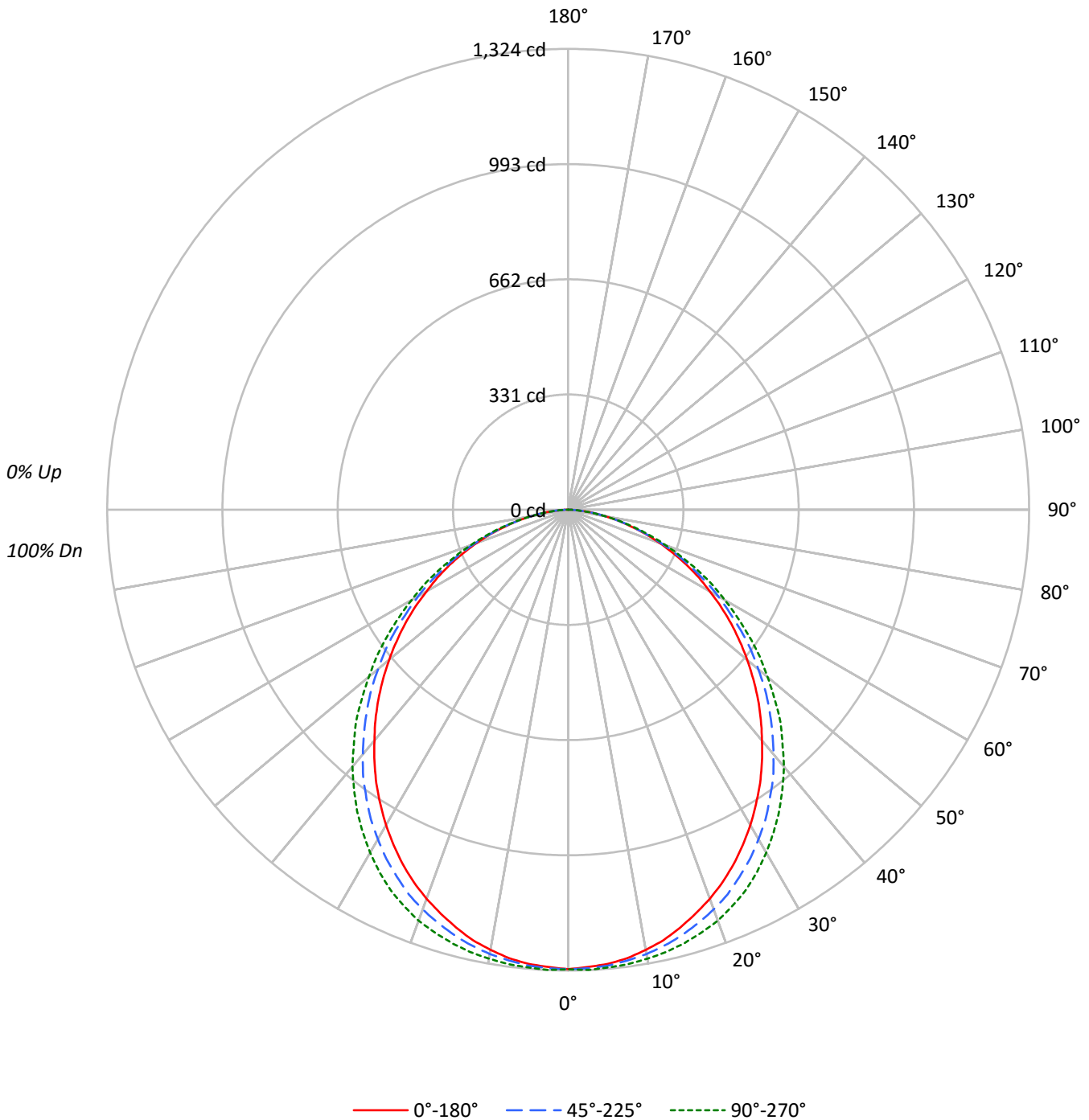
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P298364

CATALOG NUMBER: D3X-WO-35L82765-LD5-UNV-22-T1-W2A-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P298364

CATALOG NUMBER: D3X-WO-35L82765-LD5-UNV-22-T1-W2A-3500K

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°	3553	3553	3553
5°	3538	3552	3566
10°	3509	3542	3579
15°	3462	3524	3592
20°	3406	3500	3598
25°	3337	3455	3583
30°	3252	3396	3535
35°	3155	3319	3472
40°	3041	3223	3386
45°	2935	3111	3282
50°	2810	2983	3127
55°	2681	2843	2980
60°	2529	2677	2798
65°	2389	2477	2597
70°	2194	2261	2343
75°	1951	2005	2058
80°	1680	1654	1654
85°	1275	1170	1062



TEST NUMBER: P298364

CATALOG NUMBER: D3X-WO-35L82765-LD5-UNV-22-T1-W2A-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.9	3.6
10°-20°	357.0	10.3
20°-30°	536.0	15.5
30°-40°	630.8	18.2
40°-50°	629.2	18.2
50°-60°	539.9	15.6
60°-70°	386.7	11.2
70°-80°	204.8	5.9
80°-90°	47.9	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°	1017.8	29.4
0°-40°	1648.6	47.7
0°-60°	2817.7	81.5
0°-90°	3457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3457.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1320	1320	1320	1320	1320	
5°	1310	1310	1315	1318	1320	124
15°	1243	1248	1265	1282	1289	350
25°	1124	1134	1164	1193	1207	517
35°	960	972	1010	1045	1057	600
45°	771	783	818	847	862	594
55°	572	580	606	626	635	511
65°	375	377	389	404	408	371
75°	188	188	193	196	198	201
85°	41	40	38	34	34	50
90°	0	0	0	0	0	



TEST NUMBER: P298364

CATALOG NUMBER: D3X-WO-35L82765-LD5-UNV-22-T1-W2A-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1320.2	1320.2	1320.2	1320.2	1320.2
2.5°	1315.0	1315.0	1318.5	1321.9	1323.6
5°	1309.9	1309.9	1315.0	1318.5	1320.2
7.5°	1299.5	1299.5	1306.4	1313.3	1316.8
10°	1284.1	1287.5	1296.1	1306.4	1309.9
12.5°	1266.8	1270.3	1282.3	1296.1	1301.3
15°	1242.7	1247.9	1265.1	1282.3	1289.2
17.5°	1216.9	1223.8	1244.5	1265.1	1273.7
20°	1189.4	1196.3	1222.1	1246.2	1256.5
22.5°	1158.4	1167.0	1196.3	1222.1	1232.4
25°	1124.0	1134.3	1163.6	1192.8	1206.6
27.5°	1086.1	1098.2	1130.9	1161.8	1173.9
30°	1046.5	1060.3	1093.0	1125.7	1137.7
32.5°	1003.5	1015.5	1055.1	1086.1	1098.2
35°	960.5	972.5	1010.4	1044.8	1056.8
37.5°	914.0	929.5	967.3	998.3	1010.4
40°	865.8	881.3	917.4	953.6	963.9
42.5°	819.3	833.1	867.5	900.2	910.5
45°	771.1	783.2	817.6	846.9	862.3
47.5°	721.2	733.3	767.7	795.2	803.8
50°	671.3	683.3	712.6	736.7	747.0
52.5°	621.4	633.4	661.0	683.3	693.7
55°	571.5	580.1	605.9	626.5	635.1
57.5°	521.5	528.4	549.1	571.5	576.6
60°	469.9	478.5	497.4	512.9	519.8
62.5°	423.4	426.9	444.1	457.9	466.5
65°	375.2	377.0	389.0	404.5	407.9
67.5°	325.3	327.0	339.1	347.7	351.1
70°	278.8	278.8	287.4	294.3	297.8
72.5°	234.1	232.4	237.5	244.4	247.9
75°	187.6	187.6	192.8	196.2	197.9
77.5°	148.0	144.6	148.0	151.5	151.5
80°	108.4	106.7	106.7	108.4	106.7
82.5°	74.0	72.3	74.0	70.6	68.8
85°	41.3	39.6	37.9	34.4	34.4
87.5°	13.8	12.0	12.0	13.8	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)