

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: P298383

Luminaire Tested: **D3X-WO-44L82765-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298383
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-44L82765-LD5-UNV-22-T1-W2A-4000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4377.0 lumens
Efficiency: N/A
Efficacy: 121.6 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

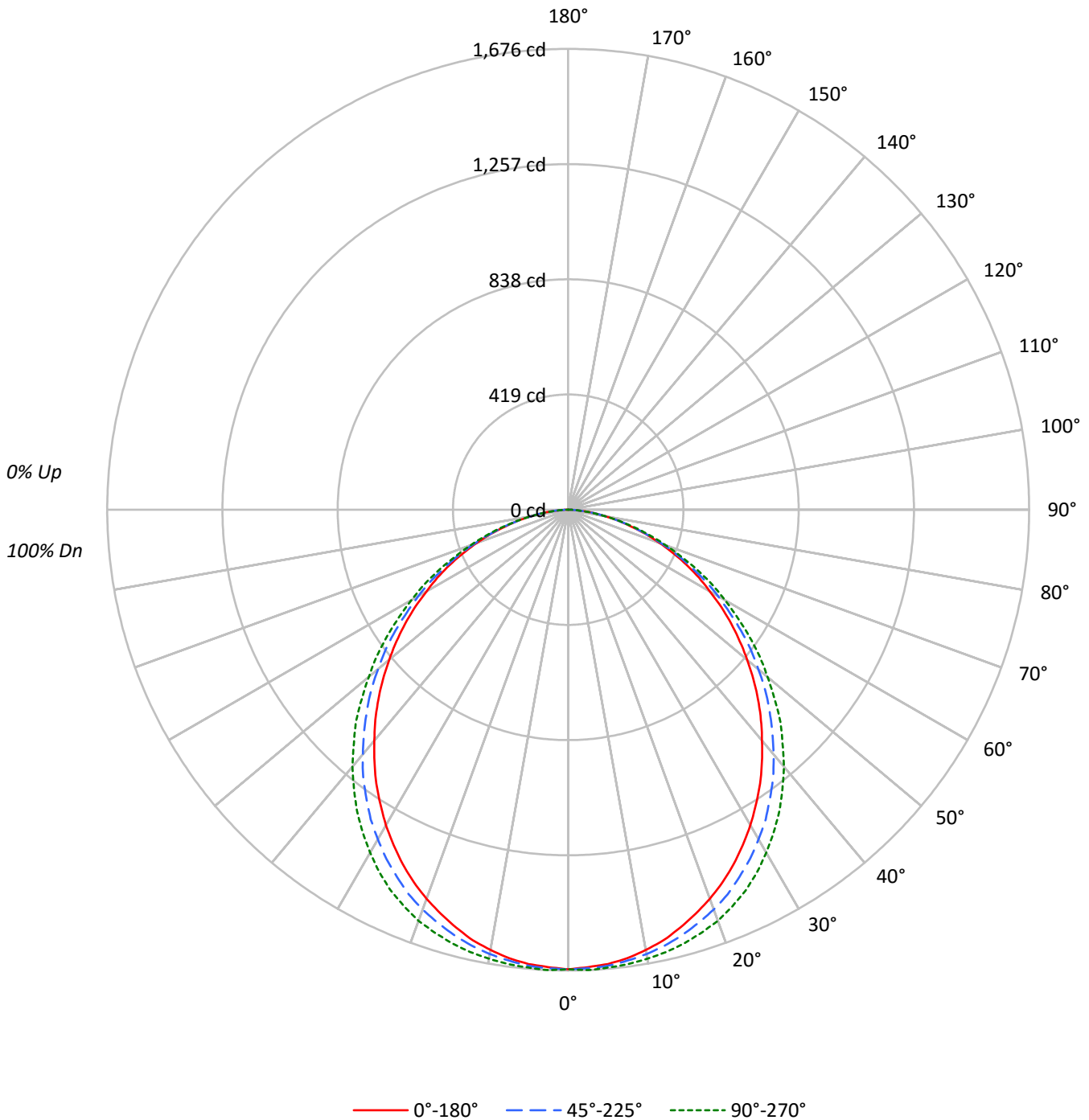
Input Watts (W): 36
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P298383

CATALOG NUMBER: D3X-WO-44L82765-LD5-UNV-22-T1-W2A-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P298383

CATALOG NUMBER: D3X-WO-44L82765-LD5-UNV-22-T1-W2A-4000K

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°	4498	4498	4498
5°	4480	4498	4515
10°	4442	4484	4532
15°	4384	4462	4547
20°	4312	4431	4556
25°	4225	4374	4536
30°	4117	4300	4476
35°	3995	4203	4396
40°	3851	4080	4287
45°	3715	3940	4155
50°	3558	3777	3960
55°	3394	3599	3773
60°	3202	3390	3542
65°	3025	3136	3289
70°	2777	2863	2966
75°	2469	2538	2606
80°	2128	2094	2094
85°	1615	1479	1346



TEST NUMBER: P298383

CATALOG NUMBER: D3X-WO-44L82765-LD5-UNV-22-T1-W2A-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.1	3.6
10°-20°	452.0	10.3
20°-30°	678.6	15.5
30°-40°	798.6	18.2
40°-50°	796.6	18.2
50°-60°	683.6	15.6
60°-70°	489.6	11.2
70°-80°	259.3	5.9
80°-90°	60.6	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°	1288.7	29.4
0°-40°	2087.3	47.7
0°-60°	3567.5	81.5
0°-90°	4377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4377.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1672	1672	1672	1672	1672	
5°	1658	1658	1665	1669	1672	157
15°	1574	1580	1602	1624	1632	444
25°	1423	1436	1473	1510	1528	655
35°	1216	1231	1279	1323	1338	760
45°	976	992	1035	1072	1092	752
55°	724	734	767	793	804	647
65°	475	477	492	512	516	469
75°	238	238	244	248	251	255
85°	52	50	48	44	44	63
90°	0	0	0	0	0	



TEST NUMBER: P298383

CATALOG NUMBER: D3X-WO-44L82765-LD5-UNV-22-T1-W2A-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1671.5	1671.5	1671.5	1671.5	1671.5
2.5°	1665.0	1665.0	1669.4	1673.7	1675.9
5°	1658.5	1658.5	1665.0	1669.4	1671.5
7.5°	1645.4	1645.4	1654.1	1662.8	1667.2
10°	1625.8	1630.1	1641.0	1654.1	1658.5
12.5°	1604.0	1608.3	1623.6	1641.0	1647.6
15°	1573.5	1580.0	1601.8	1623.6	1632.3
17.5°	1540.8	1549.5	1575.6	1601.8	1612.7
20°	1505.9	1514.6	1547.3	1577.8	1590.9
22.5°	1466.7	1477.6	1514.6	1547.3	1560.4
25°	1423.1	1436.2	1473.2	1510.3	1527.7
27.5°	1375.1	1390.4	1431.8	1471.0	1486.3
30°	1325.0	1342.5	1383.9	1425.3	1440.5
32.5°	1270.5	1285.8	1335.9	1375.1	1390.4
35°	1216.1	1231.3	1279.3	1322.8	1338.1
37.5°	1157.2	1176.8	1224.8	1264.0	1279.3
40°	1096.2	1115.8	1161.6	1207.3	1220.4
42.5°	1037.4	1054.8	1098.4	1139.8	1152.9
45°	976.3	991.6	1035.2	1072.2	1091.8
47.5°	913.1	928.4	972.0	1006.8	1017.7
50°	849.9	865.2	902.2	932.7	945.8
52.5°	786.7	802.0	836.9	865.2	878.3
55°	723.5	734.4	767.1	793.3	804.2
57.5°	660.3	669.1	695.2	723.5	730.1
60°	595.0	605.9	629.8	649.4	658.2
62.5°	536.1	540.5	562.3	579.7	590.6
65°	475.1	477.3	492.5	512.1	516.5
67.5°	411.9	414.1	429.3	440.2	444.6
70°	353.0	353.0	363.9	372.7	377.0
72.5°	296.4	294.2	300.7	309.5	313.8
75°	237.5	237.5	244.1	248.4	250.6
77.5°	187.4	183.1	187.4	191.8	191.8
80°	137.3	135.1	135.1	137.3	135.1
82.5°	93.7	91.5	93.7	89.4	87.2
85°	52.3	50.1	47.9	43.6	43.6
87.5°	17.4	15.3	15.3	17.4	17.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)