

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: P296769

Luminaire Tested: **D3X-WD-36L82765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296769
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-36L82765-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3255.0 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

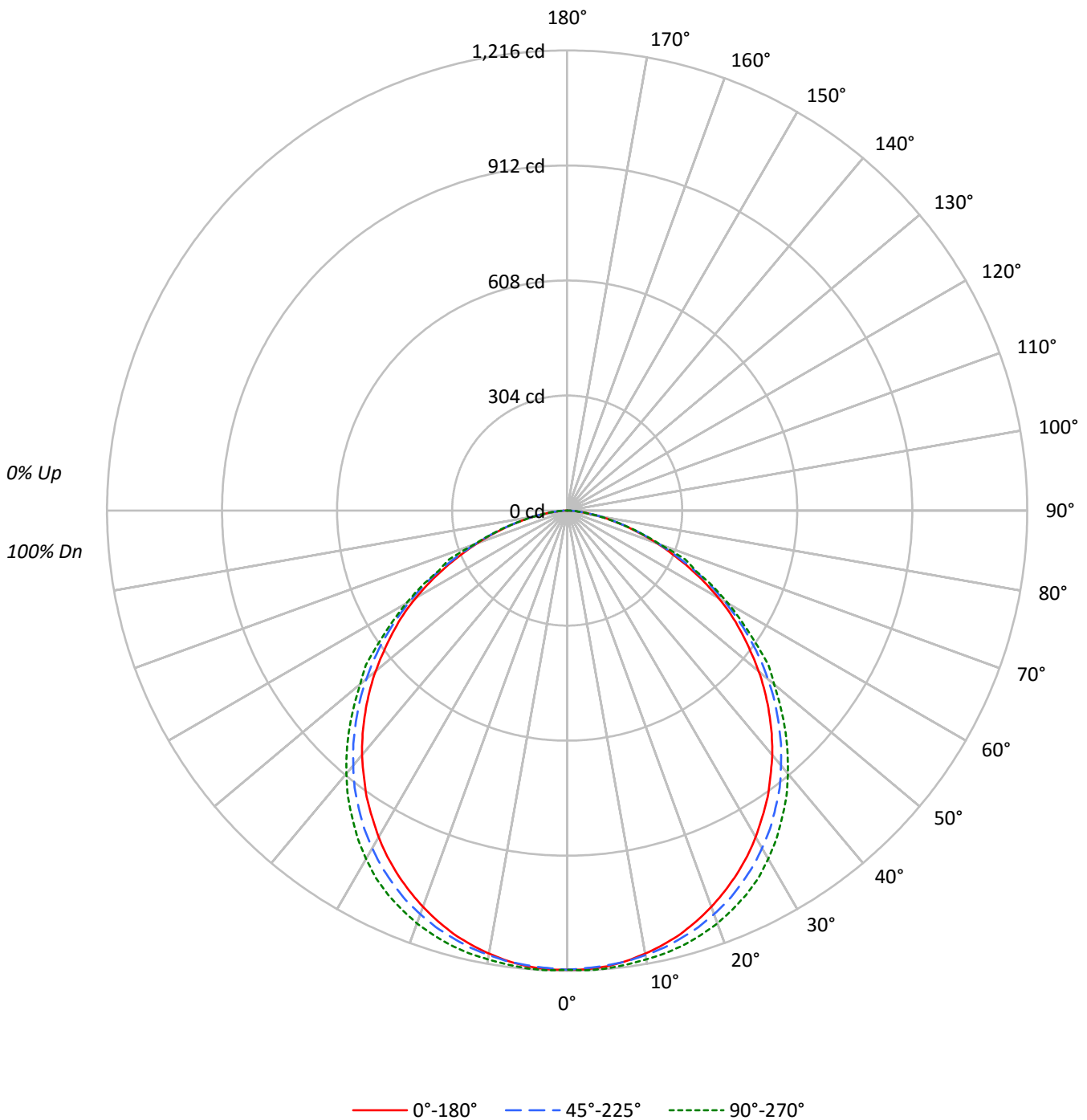
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P296769

CATALOG NUMBER: D3X-WD-36L82765-LD5-UNV-24-T1-W2A-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P296769

CATALOG NUMBER: D3X-WD-36L82765-LD5-UNV-24-T1-W2A-3000K

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	103	99	96	98	95	93		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	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	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	27		37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1633	1633	1633
5°	1633	1629	1640
10°	1624	1629	1645
15°	1614	1629	1656
20°	1595	1625	1662
25°	1574	1616	1663
30°	1548	1600	1651
35°	1517	1577	1627
40°	1481	1545	1594
45°	1436	1502	1549
50°	1384	1450	1494
55°	1320	1381	1422
60°	1245	1292	1323
65°	1130	1167	1190
70°	993	1015	1029
75°	838	850	856
80°	669	679	661
85°	451	469	451



TEST NUMBER: P296769

CATALOG NUMBER: D3X-WD-36L82765-LD5-UNV-24-T1-W2A-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.0	3.5
10°-20°	330.7	10.2
20°-30°	501.8	15.4
30°-40°	599.1	18.4
40°-50°	606.5	18.6
50°-60°	524.2	16.1
60°-70°	363.3	11.2
70°-80°	175.8	5.4
80°-90°	38.7	1.2
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°	947.5	29.1
0°-40°	1546.5	47.5
0°-60°	2677.2	82.2
0°-90°	3255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3255.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1213	1213	1213	1213	1213	
5°	1209	1208	1206	1212	1215	115
15°	1158	1161	1169	1183	1189	326
25°	1060	1068	1088	1111	1120	488
35°	924	932	960	984	990	577
45°	754	765	790	809	814	582
55°	563	569	589	613	606	503
65°	355	358	367	373	374	351
75°	161	162	164	162	165	173
85°	29	32	30	29	29	38
90°	0	0	0	0	0	



TEST NUMBER: P296769

CATALOG NUMBER: D3X-WD-36L82765-LD5-UNV-24-T1-W2A-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1213.4	1213.4	1213.4	1213.4	1213.4
2.5°	1213.4	1212.3	1209.9	1213.4	1215.8
5°	1208.8	1207.6	1206.4	1212.3	1214.6
7.5°	1200.6	1200.6	1201.8	1207.6	1209.9
10°	1188.9	1190.1	1192.4	1201.8	1204.1
12.5°	1174.9	1177.2	1183.1	1193.6	1198.3
15°	1158.5	1160.9	1169.1	1183.1	1188.9
17.5°	1137.5	1142.2	1153.9	1170.2	1176.1
20°	1114.2	1120.0	1135.2	1153.9	1160.9
22.5°	1088.5	1094.3	1114.2	1134.0	1141.0
25°	1060.4	1067.5	1088.5	1110.7	1120.0
27.5°	1030.1	1038.3	1061.6	1085.0	1094.3
30°	996.2	1005.6	1030.1	1054.6	1062.8
32.5°	960.0	969.4	997.4	1020.7	1028.9
35°	923.8	932.0	960.0	984.5	990.4
37.5°	882.9	892.3	922.6	943.7	951.8
40°	843.2	852.6	879.4	900.4	907.5
42.5°	800.0	809.3	836.2	856.1	861.9
45°	754.5	765.0	789.5	809.3	814.0
47.5°	708.9	717.1	742.8	760.3	763.8
50°	661.0	669.2	692.6	710.1	713.6
52.5°	610.8	623.7	642.3	655.2	670.4
55°	562.9	568.8	588.6	613.1	606.1
57.5°	515.0	518.5	534.9	545.4	547.7
60°	462.5	467.2	480.0	485.8	491.7
62.5°	407.6	411.1	426.3	432.1	434.5
65°	355.0	358.5	366.7	372.6	373.7
67.5°	301.3	304.8	311.8	316.5	337.5
70°	252.3	254.6	258.1	267.4	261.6
72.5°	205.5	206.7	210.2	210.2	211.4
75°	161.2	162.3	163.5	162.3	164.7
77.5°	120.3	122.6	123.8	122.6	121.5
80°	86.4	88.8	87.6	85.3	85.3
82.5°	56.1	57.2	56.1	54.9	54.9
85°	29.2	31.5	30.4	29.2	29.2
87.5°	10.5	11.7	12.8	14.0	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)