

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: P297048

Luminaire Tested: **D3X-WG-36L82765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297048
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-36L82765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3169.0 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

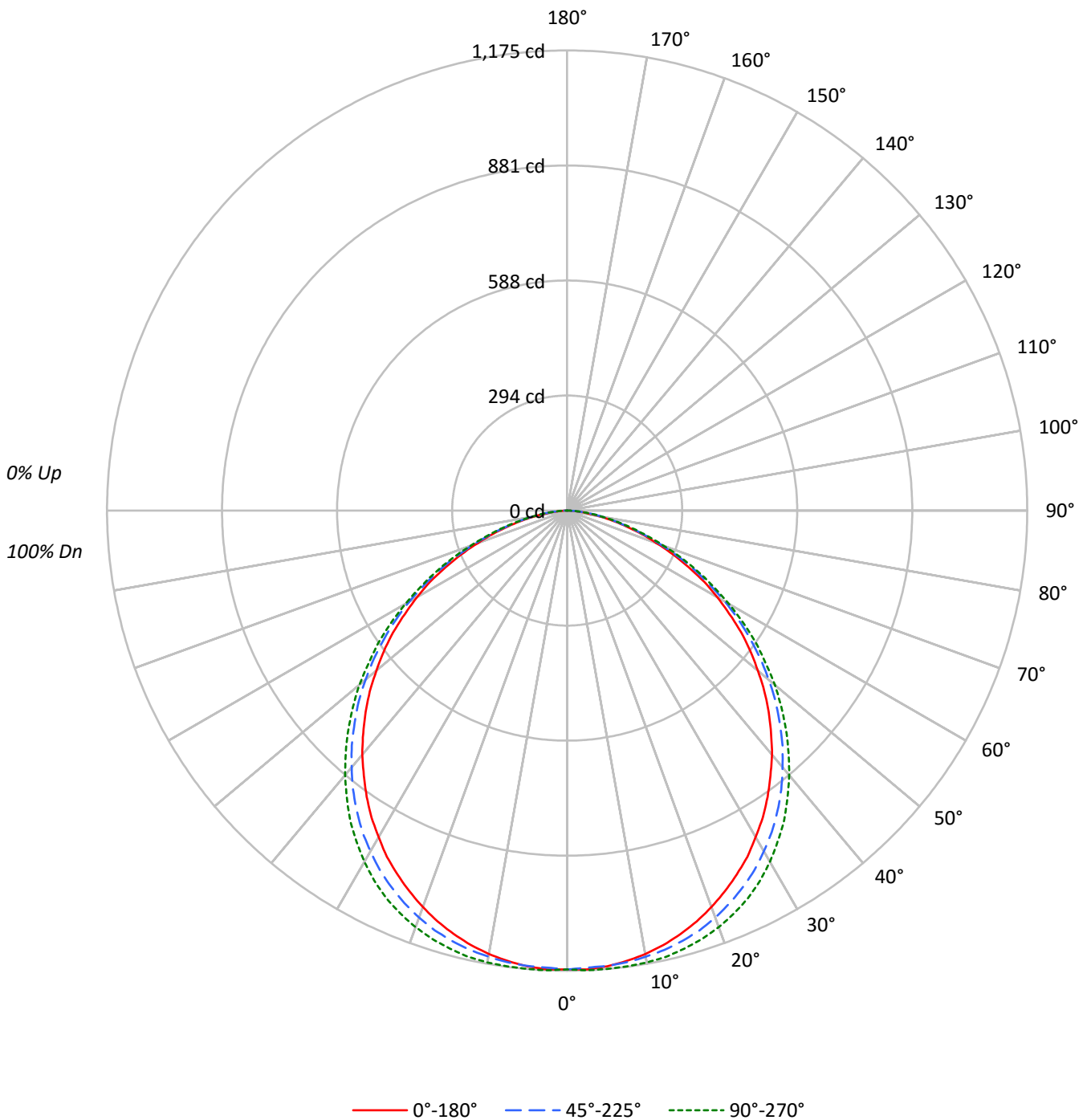
Input Watts (W): 25.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297048

CATALOG NUMBER: D3X-WG-36L82765-LD5-UNV-24-T1-W2A-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P297048

CATALOG NUMBER: D3X-WG-36L82765-LD5-UNV-24-T1-W2A-2700K

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	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
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		47	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	27		38	32	27		37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1576	1576	1576
5°	1578	1576	1587
10°	1571	1580	1601
15°	1559	1584	1613
20°	1543	1583	1621
25°	1522	1576	1621
30°	1496	1561	1608
35°	1466	1538	1587
40°	1430	1503	1549
45°	1385	1460	1503
50°	1331	1407	1450
55°	1273	1337	1379
60°	1191	1252	1283
65°	1088	1146	1174
70°	956	1005	1031
75°	808	850	879
80°	642	704	721
85°	438	526	508



TEST NUMBER: P297048

CATALOG NUMBER: D3X-WG-36L82765-LD5-UNV-24-T1-W2A-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.3	3.5
10°-20°	321.4	10.1
20°-30°	488.4	15.4
30°-40°	582.7	18.4
40°-50°	588.6	18.6
50°-60°	507.1	16.0
60°-70°	353.5	11.2
70°-80°	175.2	5.5
80°-90°	40.9	1.3
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°	921.1	29.1
0°-40°	1503.8	47.5
0°-60°	2599.5	82.0
0°-90°	3169.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3169.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1172	1172	1172	1172	1172	
5°	1168	1167	1167	1173	1175	111
15°	1119	1125	1138	1152	1158	316
25°	1025	1039	1061	1083	1092	472
35°	892	907	936	958	966	558
45°	728	744	767	786	790	561
55°	543	554	570	584	588	484
65°	342	348	360	363	369	339
75°	156	158	164	167	169	168
85°	28	34	34	32	33	36
90°	0	0	0	0	0	



TEST NUMBER: P297048

CATALOG NUMBER: D3X-WG-36L82765-LD5-UNV-24-T1-W2A-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1171.5	1171.5	1171.5	1171.5	1171.5
2.5°	1172.6	1170.4	1168.1	1172.6	1174.9
5°	1168.1	1167.0	1167.0	1172.6	1174.9
7.5°	1160.2	1160.2	1163.6	1171.5	1173.8
10°	1149.9	1152.2	1156.8	1168.1	1171.5
12.5°	1136.3	1140.9	1148.8	1162.4	1167.0
15°	1119.3	1125.0	1137.5	1152.2	1157.9
17.5°	1100.0	1107.9	1123.8	1140.9	1146.5
20°	1077.3	1087.5	1105.7	1125.0	1131.8
22.5°	1052.3	1064.8	1085.2	1105.7	1113.6
25°	1025.1	1038.7	1061.4	1083.0	1092.0
27.5°	996.7	1010.3	1035.3	1056.9	1065.9
30°	962.6	978.5	1004.6	1027.3	1035.3
32.5°	929.7	945.6	972.9	993.3	1001.2
35°	892.3	907.0	936.5	958.1	966.0
37.5°	852.5	869.6	897.9	917.2	924.0
40°	813.9	828.7	855.9	875.2	882.0
42.5°	770.8	786.7	813.9	831.0	836.6
45°	727.7	743.5	767.4	785.5	790.1
47.5°	683.4	698.1	722.0	736.7	741.3
50°	635.7	649.3	672.0	686.8	692.5
52.5°	590.3	602.8	622.1	634.6	638.0
55°	542.6	554.0	569.9	583.5	588.0
57.5°	491.5	504.0	518.8	530.1	533.5
60°	442.7	452.9	465.4	475.6	476.8
62.5°	395.0	399.6	410.9	420.0	421.2
65°	341.7	348.5	359.9	363.3	368.9
67.5°	292.9	297.4	306.5	311.0	315.6
70°	242.9	246.3	255.4	261.1	262.2
72.5°	199.8	200.9	207.7	212.3	213.4
75°	155.5	157.8	163.5	166.9	169.1
77.5°	118.1	120.3	124.9	127.1	127.1
80°	82.9	86.3	90.8	92.0	93.1
82.5°	53.4	57.9	61.3	62.4	60.2
85°	28.4	34.1	34.1	31.8	32.9
87.5°	10.2	12.5	13.6	14.8	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)