

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: P296776

Luminaire Tested: **D3X-WD-36L82765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296776
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-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3604.0 lumens
Efficiency: N/A
Efficacy: 137.0 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

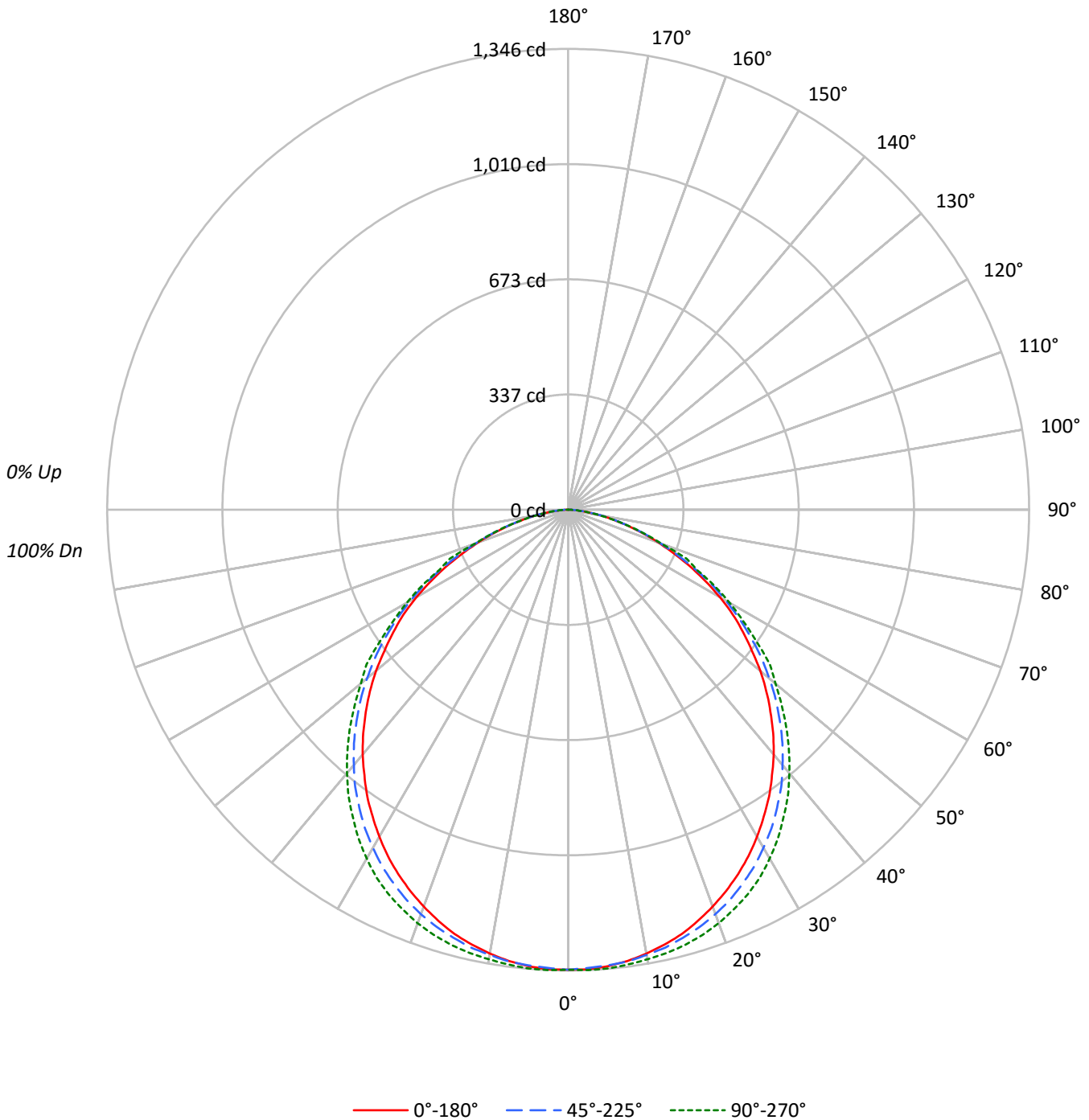
Input Watts (W): 26.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P296776

CATALOG NUMBER: D3X-WD-36L82765-LD5-UNV-24-T1-W2A-6500K

Luminous Intensity Polar Plot





TEST NUMBER: P296776

CATALOG NUMBER: D3X-WD-36L82765-LD5-UNV-24-T1-W2A-6500K

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°	1808	1808	1808
5°	1808	1804	1816
10°	1799	1804	1821
15°	1787	1803	1834
20°	1766	1800	1840
25°	1743	1789	1841
30°	1714	1772	1828
35°	1680	1746	1801
40°	1640	1710	1765
45°	1590	1663	1715
50°	1532	1605	1654
55°	1462	1529	1574
60°	1378	1430	1465
65°	1252	1293	1317
70°	1099	1124	1140
75°	927	941	948
80°	742	752	731
85°	499	519	499



TEST NUMBER: P296776

CATALOG NUMBER: D3X-WD-36L82765-LD5-UNV-24-T1-W2A-6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.3	3.5
10°-20°	366.2	10.2
20°-30°	555.6	15.4
30°-40°	663.3	18.4
40°-50°	671.5	18.6
50°-60°	580.4	16.1
60°-70°	402.3	11.2
70°-80°	194.7	5.4
80°-90°	42.8	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°	1049.1	29.1
0°-40°	1712.3	47.5
0°-60°	2964.3	82.2
0°-90°	3604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3604.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1344	1344	1344	1344	1344	
5°	1338	1337	1336	1342	1345	127
15°	1283	1285	1294	1310	1316	362
25°	1174	1182	1205	1230	1240	541
35°	1023	1032	1063	1090	1097	639
45°	835	847	874	896	901	644
55°	623	630	652	679	671	557
65°	393	397	406	412	414	389
75°	178	180	181	180	182	191
85°	32	35	34	32	32	42
90°	0	0	0	0	0	



TEST NUMBER: P296776

CATALOG NUMBER: D3X-WD-36L82765-LD5-UNV-24-T1-W2A-6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1343.5	1343.5	1343.5	1343.5	1343.5
2.5°	1343.5	1342.3	1339.7	1343.5	1346.1
5°	1338.4	1337.1	1335.8	1342.3	1344.8
7.5°	1329.3	1329.3	1330.6	1337.1	1339.7
10°	1316.4	1317.7	1320.3	1330.6	1333.2
12.5°	1300.9	1303.5	1309.9	1321.6	1326.7
15°	1282.8	1285.4	1294.4	1309.9	1316.4
17.5°	1259.5	1264.7	1277.6	1295.7	1302.2
20°	1233.6	1240.1	1256.9	1277.6	1285.4
22.5°	1205.2	1211.6	1233.6	1255.6	1263.4
25°	1174.1	1181.9	1205.2	1229.8	1240.1
27.5°	1140.5	1149.6	1175.4	1201.3	1211.6
30°	1103.0	1113.4	1140.5	1167.7	1176.7
32.5°	1062.9	1073.3	1104.3	1130.2	1139.2
35°	1022.9	1031.9	1062.9	1090.1	1096.6
37.5°	977.6	987.9	1021.6	1044.8	1053.9
40°	933.6	944.0	973.7	997.0	1004.7
42.5°	885.8	896.1	925.9	947.9	954.3
45°	835.4	847.0	874.1	896.1	901.3
47.5°	784.9	794.0	822.4	841.8	845.7
50°	731.9	741.0	766.8	786.2	790.1
52.5°	676.3	690.5	711.2	725.4	742.2
55°	623.3	629.7	651.7	678.9	671.1
57.5°	570.3	574.1	592.2	603.9	606.5
60°	512.1	517.2	531.5	537.9	544.4
62.5°	451.3	455.2	472.0	478.5	481.0
65°	393.1	397.0	406.0	412.5	413.8
67.5°	333.6	337.5	345.3	350.4	373.7
70°	279.3	281.9	285.8	296.1	289.7
72.5°	227.6	228.9	232.8	232.8	234.1
75°	178.4	179.7	181.0	179.7	182.3
77.5°	133.2	135.8	137.1	135.8	134.5
80°	95.7	98.3	97.0	94.4	94.4
82.5°	62.1	63.4	62.1	60.8	60.8
85°	32.3	34.9	33.6	32.3	32.3
87.5°	11.6	12.9	14.2	15.5	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)