

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: P296805

Luminaire Tested: **D3X-WD-55L82765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296805
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-55L82765-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: 4918.0 lumens
Efficiency: N/A
Efficacy: 129.4 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

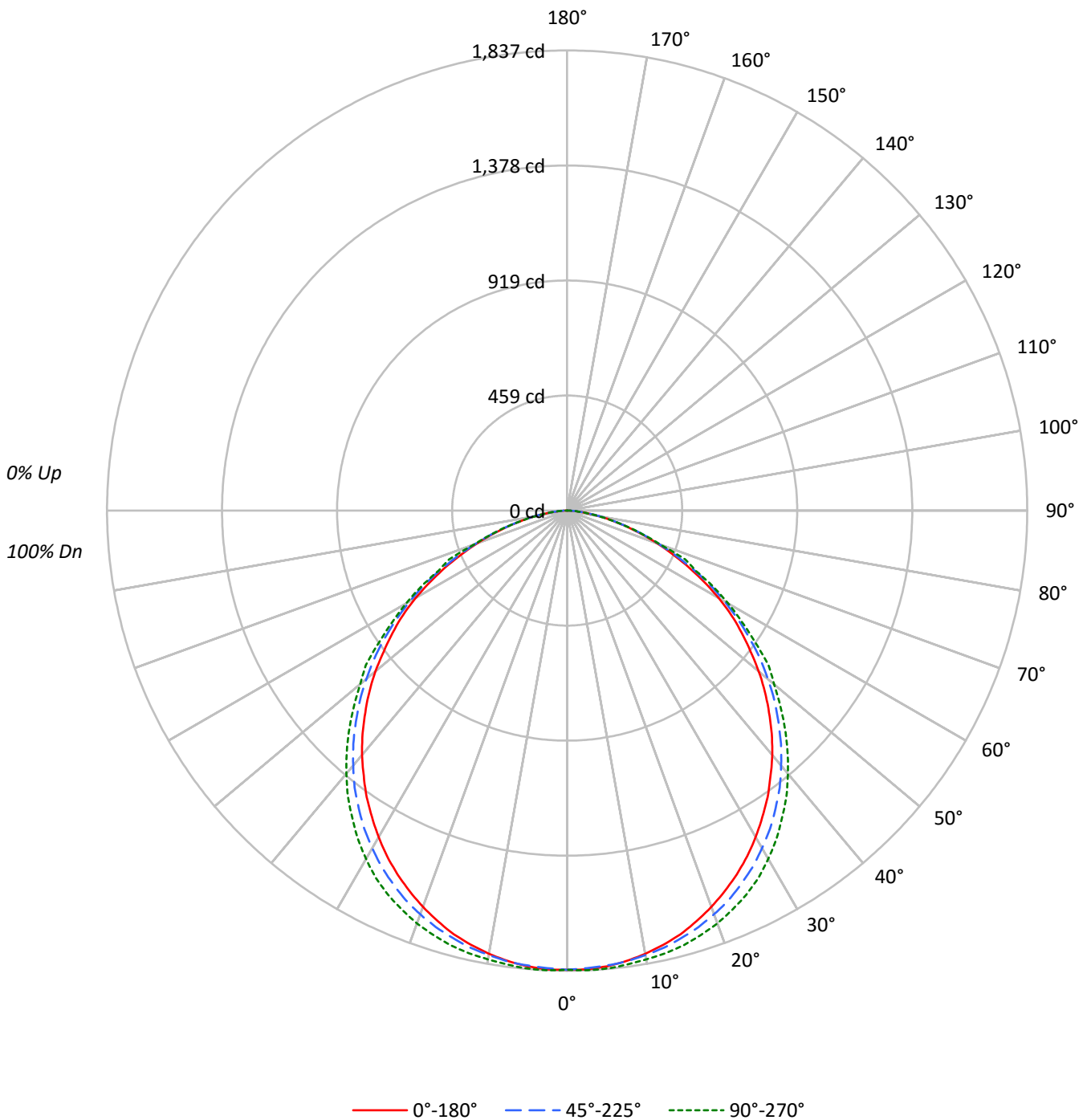
Input Watts (W): 38
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P296805

CATALOG NUMBER: D3X-WD-55L82765-LD5-UNV-24-T1-W2A-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P296805

CATALOG NUMBER: D3X-WD-55L82765-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°	2467	2467	2467
5°	2467	2462	2479
10°	2454	2461	2486
15°	2438	2460	2502
20°	2410	2456	2511
25°	2379	2442	2512
30°	2339	2418	2495
35°	2293	2383	2458
40°	2238	2334	2408
45°	2169	2270	2340
50°	2091	2190	2257
55°	1995	2086	2148
60°	1880	1951	1999
65°	1708	1764	1798
70°	1499	1534	1555
75°	1266	1284	1293
80°	1012	1025	998
85°	681	709	681



TEST NUMBER: P296805

CATALOG NUMBER: D3X-WD-55L82765-LD5-UNV-24-T1-W2A-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.8	3.5
10°-20°	499.7	10.2
20°-30°	758.1	15.4
30°-40°	905.1	18.4
40°-50°	916.3	18.6
50°-60°	792.1	16.1
60°-70°	549.0	11.2
70°-80°	265.6	5.4
80°-90°	58.4	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°	1431.5	29.1
0°-40°	2336.6	47.5
0°-60°	4045.0	82.2
0°-90°	4918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4918.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1833	1833	1833	1833	1833	
5°	1826	1825	1823	1832	1835	173
15°	1750	1754	1766	1788	1796	493
25°	1602	1613	1645	1678	1692	738
35°	1396	1408	1450	1488	1496	872
45°	1140	1156	1193	1223	1230	879
55°	850	859	889	926	916	760
65°	536	542	554	563	565	531
75°	244	245	247	245	249	261
85°	44	48	46	44	44	57
90°	0	0	0	0	0	



TEST NUMBER: P296805

CATALOG NUMBER: D3X-WD-55L82765-LD5-UNV-24-T1-W2A-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1833.4	1833.4	1833.4	1833.4	1833.4
2.5°	1833.4	1831.6	1828.1	1833.4	1836.9
5°	1826.3	1824.6	1822.8	1831.6	1835.2
7.5°	1814.0	1814.0	1815.7	1824.6	1828.1
10°	1796.3	1798.1	1801.6	1815.7	1819.3
12.5°	1775.2	1778.7	1787.5	1803.4	1810.5
15°	1750.5	1754.0	1766.3	1787.5	1796.3
17.5°	1718.7	1725.8	1743.4	1768.1	1776.9
20°	1683.4	1692.2	1715.2	1743.4	1754.0
22.5°	1644.6	1653.4	1683.4	1713.4	1724.0
25°	1602.2	1612.8	1644.6	1678.1	1692.2
27.5°	1556.4	1568.7	1604.0	1639.3	1653.4
30°	1505.2	1519.3	1556.4	1593.4	1605.8
32.5°	1450.5	1464.6	1506.9	1542.2	1554.6
35°	1395.8	1408.1	1450.5	1487.5	1496.4
37.5°	1334.0	1348.1	1394.0	1425.8	1438.1
40°	1274.0	1288.1	1328.7	1360.5	1371.1
42.5°	1208.7	1222.9	1263.4	1293.4	1302.3
45°	1139.9	1155.8	1192.9	1222.9	1229.9
47.5°	1071.1	1083.5	1122.3	1148.7	1154.0
50°	998.8	1011.1	1046.4	1072.9	1078.2
52.5°	922.9	942.3	970.5	989.9	1012.9
55°	850.5	859.3	889.3	926.4	915.8
57.5°	778.2	783.5	808.2	824.1	827.6
60°	698.8	705.8	725.2	734.1	742.9
62.5°	615.8	621.1	644.1	652.9	656.4
65°	536.4	541.7	554.1	562.9	564.7
67.5°	455.3	460.6	471.1	478.2	510.0
70°	381.1	384.7	390.0	404.1	395.3
72.5°	310.6	312.3	317.6	317.6	319.4
75°	243.5	245.3	247.0	245.3	248.8
77.5°	181.8	185.3	187.0	185.3	183.5
80°	130.6	134.1	132.3	128.8	128.8
82.5°	84.7	86.5	84.7	82.9	82.9
85°	44.1	47.6	45.9	44.1	44.1
87.5°	15.9	17.6	19.4	21.2	21.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)