

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: P296791

Luminaire Tested: **D3X-WD-45L82765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296791
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-45L82765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4395.0 lumens
Efficiency: N/A
Efficacy: 136.1 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

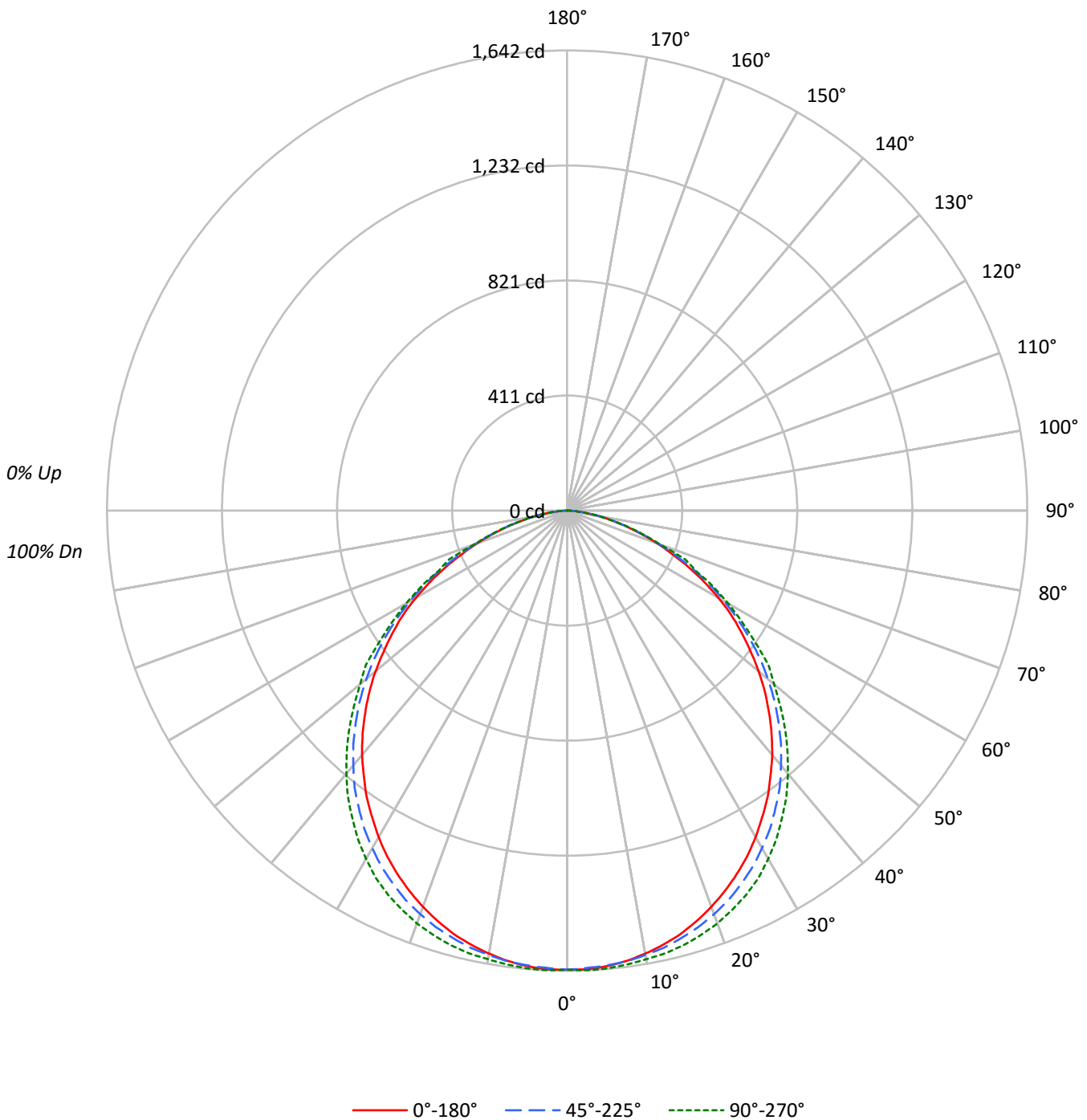
Input Watts (W): 32.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P296791

CATALOG NUMBER: D3X-WD-45L82765-LD5-UNV-24-T1-W2A-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P296791

CATALOG NUMBER: D3X-WD-45L82765-LD5-UNV-24-T1-W2A-5000K

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°	2204	2204	2204
5°	2204	2200	2215
10°	2193	2200	2221
15°	2179	2199	2236
20°	2154	2195	2244
25°	2126	2182	2245
30°	2090	2161	2229
35°	2049	2129	2196
40°	2000	2086	2152
45°	1938	2028	2091
50°	1868	1957	2017
55°	1783	1864	1920
60°	1681	1744	1787
65°	1526	1577	1606
70°	1340	1371	1389
75°	1131	1148	1156
80°	904	917	892
85°	608	633	608



TEST NUMBER: P296791

CATALOG NUMBER: D3X-WD-45L82765-LD5-UNV-24-T1-W2A-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.3	3.5
10°-20°	446.5	10.2
20°-30°	677.5	15.4
30°-40°	808.9	18.4
40°-50°	818.9	18.6
50°-60°	707.8	16.1
60°-70°	490.6	11.2
70°-80°	237.4	5.4
80°-90°	52.2	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°	1279.3	29.1
0°-40°	2088.2	47.5
0°-60°	3614.9	82.2
0°-90°	4395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4395.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1638	1638	1638	1638	1638	
5°	1632	1630	1629	1637	1640	155
15°	1564	1568	1578	1597	1605	441
25°	1432	1441	1470	1500	1512	659
35°	1247	1258	1296	1329	1337	779
45°	1019	1033	1066	1093	1099	786
55°	760	768	795	828	818	679
65°	479	484	495	503	505	474
75°	218	219	221	219	222	233
85°	39	43	41	39	39	51
90°	0	0	0	0	0	



TEST NUMBER: P296791

CATALOG NUMBER: D3X-WD-45L82765-LD5-UNV-24-T1-W2A-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1638.4	1638.4	1638.4	1638.4	1638.4
2.5°	1638.4	1636.8	1633.7	1638.4	1641.6
5°	1632.1	1630.5	1629.0	1636.8	1640.0
7.5°	1621.1	1621.1	1622.7	1630.5	1633.7
10°	1605.3	1606.9	1610.0	1622.7	1625.8
12.5°	1586.4	1589.5	1597.4	1611.6	1617.9
15°	1564.3	1567.5	1578.5	1597.4	1605.3
17.5°	1535.9	1542.2	1558.0	1580.1	1588.0
20°	1504.4	1512.3	1532.8	1558.0	1567.5
22.5°	1469.7	1477.6	1504.4	1531.2	1540.7
25°	1431.8	1441.3	1469.7	1499.7	1512.3
27.5°	1390.8	1401.9	1433.4	1465.0	1477.6
30°	1345.1	1357.7	1390.8	1424.0	1435.0
32.5°	1296.2	1308.8	1346.7	1378.2	1389.3
35°	1247.3	1258.4	1296.2	1329.3	1337.2
37.5°	1192.2	1204.8	1245.8	1274.2	1285.2
40°	1138.5	1151.2	1187.4	1215.8	1225.3
42.5°	1080.2	1092.8	1129.1	1155.9	1163.8
45°	1018.7	1032.9	1066.0	1092.8	1099.1
47.5°	957.2	968.2	1002.9	1026.6	1031.3
50°	892.5	903.6	935.1	958.8	963.5
52.5°	824.7	842.1	867.3	884.7	905.2
55°	760.1	768.0	794.8	827.9	818.4
57.5°	695.4	700.2	722.2	736.4	739.6
60°	624.5	630.8	648.1	656.0	663.9
62.5°	550.3	555.1	575.6	583.5	586.6
65°	479.4	484.1	495.2	503.0	504.6
67.5°	406.8	411.6	421.0	427.3	455.7
70°	340.6	343.8	348.5	361.1	353.2
72.5°	277.5	279.1	283.8	283.8	285.4
75°	217.6	219.2	220.8	219.2	222.3
77.5°	162.4	165.6	167.2	165.6	164.0
80°	116.7	119.8	118.3	115.1	115.1
82.5°	75.7	77.3	75.7	74.1	74.1
85°	39.4	42.6	41.0	39.4	39.4
87.5°	14.2	15.8	17.3	18.9	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)