

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: P296931

Luminaire Tested: **D3X-WD-45L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296931
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-45L92765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3946.0 lumens
Efficiency: N/A
Efficacy: 122.2 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

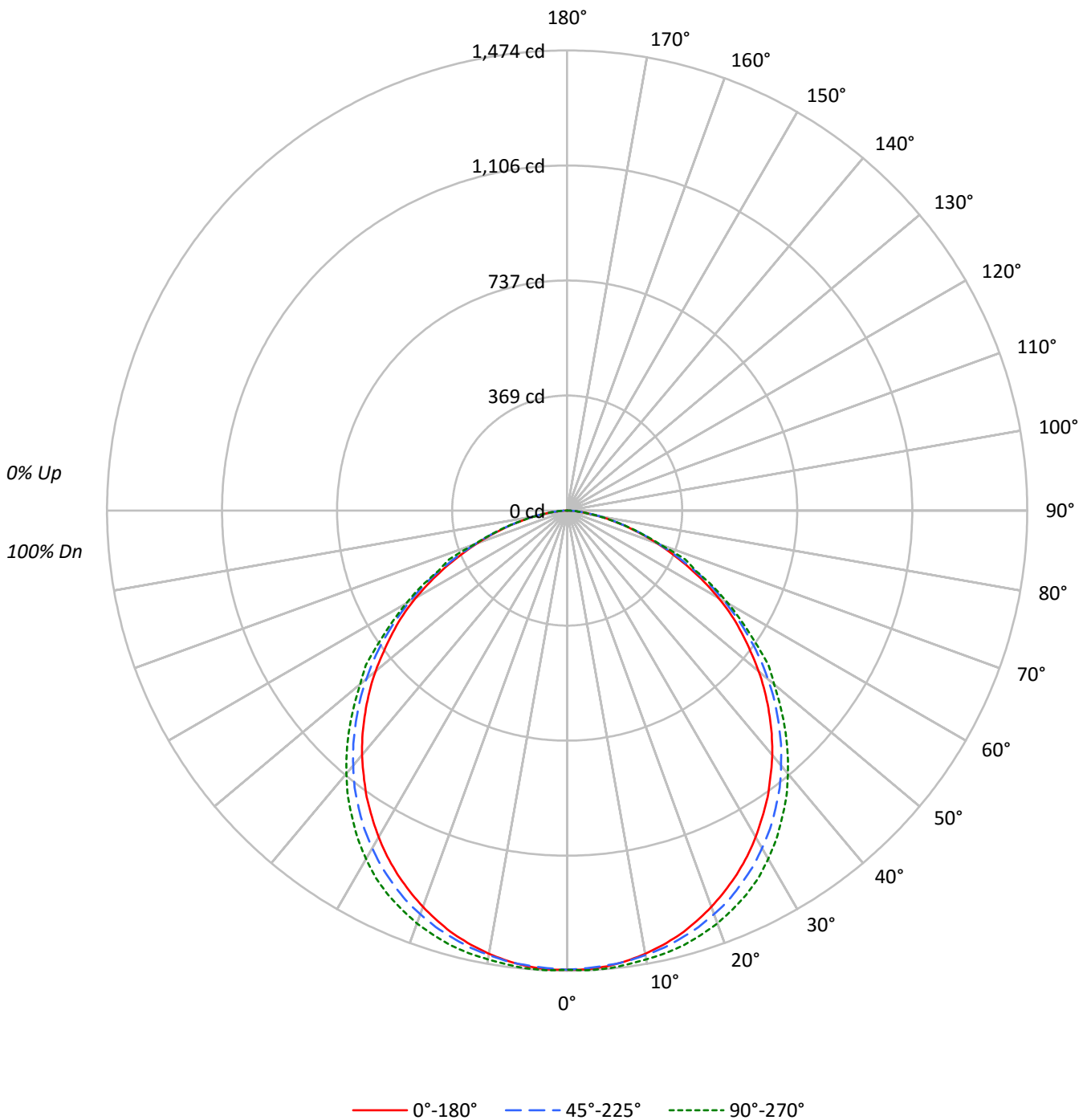
Input Watts (W): 32.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	1979	1979	1979
5°	1979	1975	1989
10°	1969	1975	1994
15°	1956	1974	2008
20°	1934	1970	2015
25°	1909	1959	2016
30°	1876	1940	2002
35°	1839	1912	1972
40°	1795	1873	1932
45°	1740	1821	1878
50°	1677	1757	1811
55°	1601	1674	1724
60°	1509	1566	1604
65°	1370	1415	1443
70°	1203	1231	1247
75°	1016	1030	1038
80°	812	823	801
85°	546	568	546



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.4	3.5
10°-20°	400.9	10.2
20°-30°	608.3	15.4
30°-40°	726.2	18.4
40°-50°	735.2	18.6
50°-60°	635.5	16.1
60°-70°	440.5	11.2
70°-80°	213.1	5.4
80°-90°	46.9	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°	1148.6	29.1
0°-40°	1874.8	47.5
0°-60°	3245.6	82.2
0°-90°	3946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3946.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1471	1471	1471	1471	1471	
5°	1465	1464	1462	1470	1472	139
15°	1404	1407	1417	1434	1441	396
25°	1286	1294	1320	1346	1358	592
35°	1120	1130	1164	1194	1201	700
45°	915	927	957	981	987	705
55°	682	690	714	743	735	610
65°	430	435	445	452	453	426
75°	195	197	198	197	200	210
85°	35	38	37	35	35	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1471.0	1471.0	1471.0	1471.0	1471.0
2.5°	1471.0	1469.6	1466.8	1471.0	1473.9
5°	1465.4	1464.0	1462.5	1469.6	1472.5
7.5°	1455.5	1455.5	1456.9	1464.0	1466.8
10°	1441.3	1442.7	1445.6	1456.9	1459.7
12.5°	1424.3	1427.2	1434.2	1447.0	1452.6
15°	1404.5	1407.3	1417.2	1434.2	1441.3
17.5°	1379.0	1384.7	1398.8	1418.7	1425.7
20°	1350.7	1357.8	1376.2	1398.8	1407.3
22.5°	1319.5	1326.6	1350.7	1374.8	1383.3
25°	1285.6	1294.1	1319.5	1346.4	1357.8
27.5°	1248.8	1258.7	1287.0	1315.3	1326.6
30°	1207.7	1219.0	1248.8	1278.5	1288.4
32.5°	1163.8	1175.1	1209.1	1237.4	1247.3
35°	1119.9	1129.8	1163.8	1193.5	1200.6
37.5°	1070.4	1081.7	1118.5	1144.0	1153.9
40°	1022.2	1033.6	1066.1	1091.6	1100.1
42.5°	969.8	981.2	1013.7	1037.8	1044.9
45°	914.6	927.4	957.1	981.2	986.8
47.5°	859.4	869.3	900.5	921.7	925.9
50°	801.4	811.3	839.6	860.8	865.1
52.5°	740.5	756.0	778.7	794.3	812.7
55°	682.4	689.5	713.6	743.3	734.8
57.5°	624.4	628.6	648.4	661.2	664.0
60°	560.7	566.3	581.9	589.0	596.1
62.5°	494.1	498.4	516.8	523.9	526.7
65°	430.4	434.7	444.6	451.6	453.1
67.5°	365.3	369.5	378.0	383.7	409.2
70°	305.8	308.6	312.9	324.2	317.1
72.5°	249.2	250.6	254.8	254.8	256.3
75°	195.4	196.8	198.2	196.8	199.6
77.5°	145.8	148.7	150.1	148.7	147.2
80°	104.8	107.6	106.2	103.4	103.4
82.5°	68.0	69.4	68.0	66.5	66.5
85°	35.4	38.2	36.8	35.4	35.4
87.5°	12.7	14.2	15.6	17.0	17.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)