

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: P296932

Luminaire Tested: **D3X-WD-45L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296932
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-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4006.0 lumens
Efficiency: N/A
Efficacy: 123.3 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

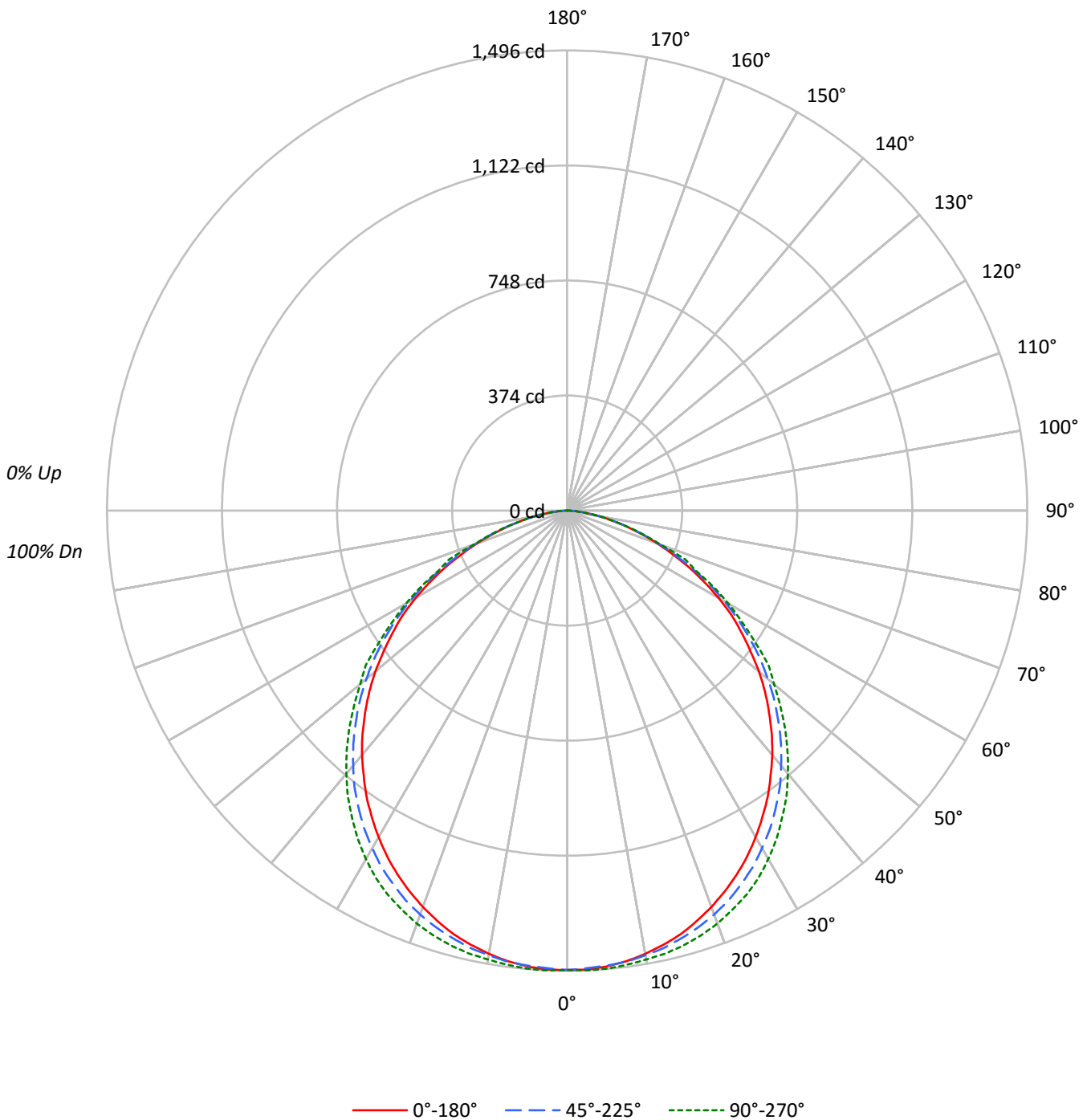
Input Watts (W): 32.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2009	2009	2009
5°	2009	2005	2019
10°	1999	2005	2025
15°	1986	2004	2038
20°	1963	2000	2046
25°	1938	1989	2046
30°	1905	1970	2032
35°	1867	1941	2002
40°	1823	1901	1962
45°	1767	1849	1906
50°	1703	1784	1838
55°	1625	1699	1750
60°	1532	1590	1628
65°	1391	1437	1465
70°	1221	1250	1267
75°	1031	1046	1054
80°	824	835	813
85°	554	577	554



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.5	3.5
10°-20°	407.0	10.2
20°-30°	617.5	15.4
30°-40°	737.3	18.4
40°-50°	746.4	18.6
50°-60°	645.2	16.1
60°-70°	447.2	11.2
70°-80°	216.4	5.4
80°-90°	47.6	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°	1166.1	29.1
0°-40°	1903.3	47.5
0°-60°	3294.9	82.2
0°-90°	4006.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4006.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1493	1493	1493	1493	1493	
5°	1488	1486	1485	1492	1495	141
15°	1426	1429	1439	1456	1463	402
25°	1305	1314	1340	1367	1378	601
35°	1137	1147	1182	1212	1219	710
45°	928	942	972	996	1002	716
55°	693	700	724	755	746	619
65°	437	441	451	458	460	432
75°	198	200	201	200	203	213
85°	36	39	37	36	36	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1493.4	1493.4	1493.4	1493.4	1493.4
2.5°	1493.4	1492.0	1489.1	1493.4	1496.3
5°	1487.7	1486.2	1484.8	1492.0	1494.8
7.5°	1477.6	1477.6	1479.0	1486.2	1489.1
10°	1463.2	1464.7	1467.5	1479.0	1481.9
12.5°	1446.0	1448.9	1456.0	1469.0	1474.7
15°	1425.9	1428.7	1438.8	1456.0	1463.2
17.5°	1400.0	1405.7	1420.1	1440.2	1447.4
20°	1371.2	1378.4	1397.1	1420.1	1428.7
22.5°	1339.6	1346.8	1371.2	1395.7	1404.3
25°	1305.1	1313.7	1339.6	1366.9	1378.4
27.5°	1267.7	1277.8	1306.6	1335.3	1346.8
30°	1226.1	1237.6	1267.7	1297.9	1308.0
32.5°	1181.5	1193.0	1227.5	1256.2	1266.3
35°	1136.9	1147.0	1181.5	1211.7	1218.9
37.5°	1086.6	1098.1	1135.5	1161.4	1171.4
40°	1037.8	1049.3	1082.3	1108.2	1116.8
42.5°	984.6	996.1	1029.1	1053.6	1060.8
45°	928.5	941.5	971.6	996.1	1001.8
47.5°	872.5	882.5	914.2	935.7	940.0
50°	813.5	823.6	852.3	873.9	878.2
52.5°	751.7	767.5	790.5	806.4	825.0
55°	692.8	700.0	724.4	754.6	746.0
57.5°	633.9	638.2	658.3	671.2	674.1
60°	569.2	574.9	590.8	597.9	605.1
62.5°	501.6	505.9	524.6	531.8	534.7
65°	437.0	441.3	451.3	458.5	460.0
67.5°	370.8	375.1	383.8	389.5	415.4
70°	310.5	313.3	317.7	329.2	322.0
72.5°	253.0	254.4	258.7	258.7	260.2
75°	198.4	199.8	201.2	199.8	202.7
77.5°	148.0	150.9	152.4	150.9	149.5
80°	106.4	109.2	107.8	104.9	104.9
82.5°	69.0	70.4	69.0	67.6	67.6
85°	35.9	38.8	37.4	35.9	35.9
87.5°	12.9	14.4	15.8	17.2	17.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)