

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: P297354

Luminaire Tested: **D3X-WO-45L82765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-45L82765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4753.0 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

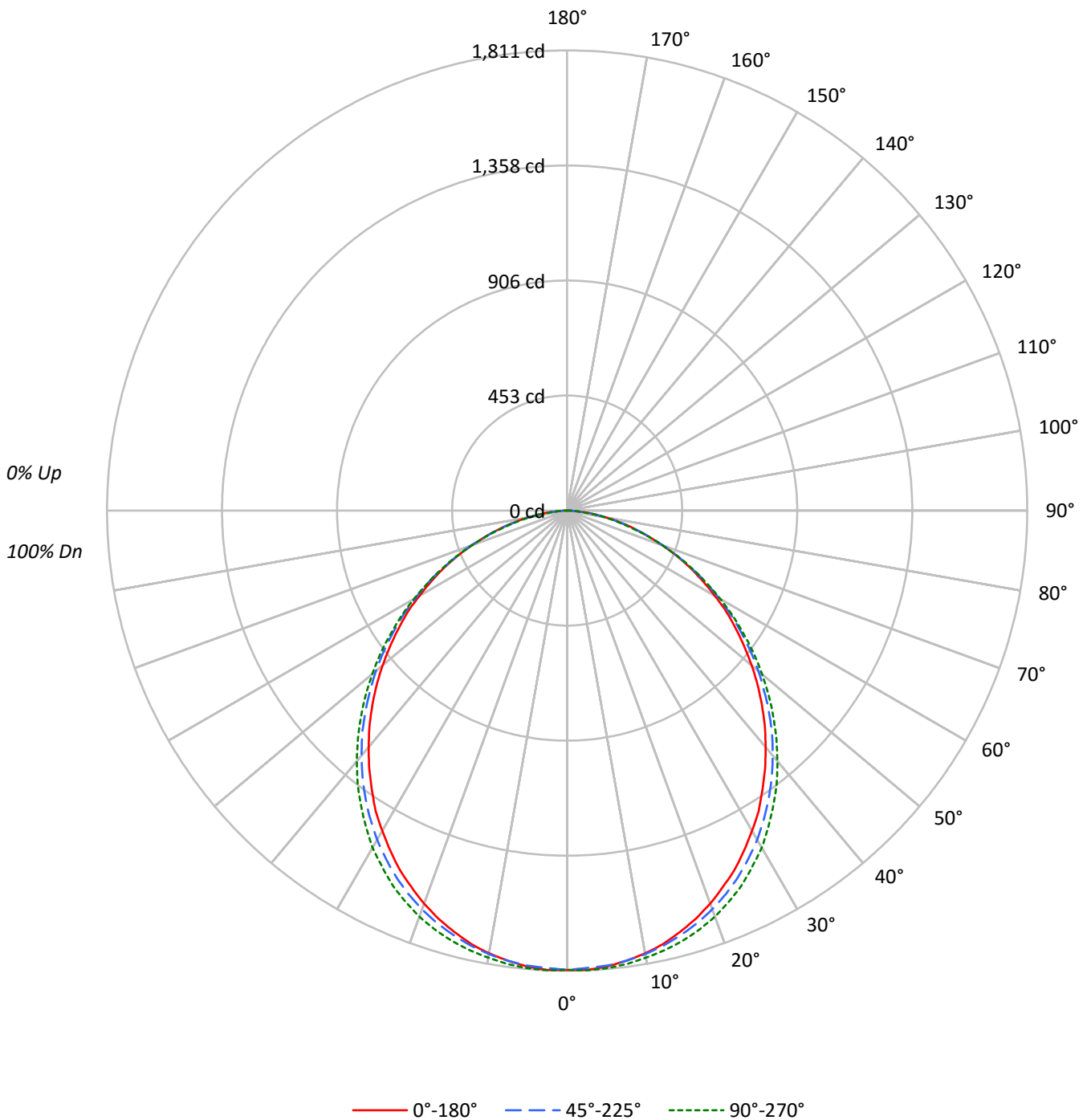
Input Watts (W): 32.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	2432	2432	2432
5°	2433	2428	2442
10°	2417	2422	2441
15°	2391	2409	2442
20°	2357	2391	2435
25°	2315	2363	2415
30°	2261	2323	2381
35°	2201	2272	2325
40°	2134	2210	2261
45°	2063	2139	2184
50°	1984	2058	2095
55°	1901	1961	1991
60°	1805	1853	1874
65°	1703	1728	1738
70°	1562	1581	1562
75°	1407	1398	1357
80°	1191	1179	1141
85°	889	865	766



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.1	3.6
10°-20°	488.9	10.3
20°-30°	733.0	15.4
30°-40°	863.3	18.2
40°-50°	863.4	18.2
50°-60°	745.0	15.7
60°-70°	536.1	11.3
70°-80°	284.3	6.0
80°-90°	67.8	1.4
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°	1393.1	29.3
0°-40°	2256.4	47.5
0°-60°	3864.8	81.3
0°-90°	4753.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4753.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1808	1808	1808	1808	1808	
5°	1801	1800	1798	1804	1808	171
15°	1716	1721	1729	1747	1753	484
25°	1560	1569	1592	1619	1627	717
35°	1340	1356	1383	1407	1415	838
45°	1084	1098	1124	1143	1148	836
55°	810	818	836	850	849	725
65°	535	536	543	546	546	529
75°	271	267	269	263	261	288
85°	58	58	56	51	50	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1807.7	1807.7	1807.7	1807.7	1807.7
2.5°	1809.3	1806.1	1801.2	1807.7	1810.9
5°	1801.2	1799.6	1798.0	1804.5	1807.7
7.5°	1786.8	1788.4	1786.8	1796.4	1799.6
10°	1769.2	1770.8	1772.4	1783.6	1786.8
12.5°	1746.8	1748.4	1753.2	1767.6	1772.4
15°	1716.4	1721.2	1729.2	1746.8	1753.2
17.5°	1684.4	1690.8	1702.0	1722.8	1729.2
20°	1645.9	1653.9	1670.0	1692.4	1700.4
22.5°	1602.7	1610.7	1633.1	1657.1	1665.2
25°	1559.5	1569.1	1591.5	1618.7	1626.7
27.5°	1508.2	1521.1	1545.1	1572.3	1578.7
30°	1455.4	1466.6	1495.4	1521.1	1532.3
32.5°	1402.6	1413.8	1441.0	1466.6	1474.6
35°	1340.1	1356.1	1383.4	1407.4	1415.4
37.5°	1279.3	1293.7	1322.5	1346.5	1354.5
40°	1215.2	1228.1	1258.5	1280.9	1287.3
42.5°	1151.2	1164.0	1194.4	1212.0	1218.4
45°	1084.0	1098.4	1124.0	1143.2	1148.0
47.5°	1016.7	1027.9	1051.9	1069.5	1075.9
50°	947.9	959.1	983.1	997.5	1000.7
52.5°	879.0	887.0	909.4	922.2	927.0
55°	810.2	818.2	835.8	850.2	848.6
57.5°	744.5	747.7	765.3	774.9	774.9
60°	670.9	674.1	688.5	694.9	696.5
62.5°	602.0	606.8	618.0	619.6	619.6
65°	534.8	536.4	542.8	546.0	546.0
67.5°	467.5	465.9	472.3	472.3	470.7
70°	397.1	400.3	401.9	398.7	397.1
72.5°	333.0	331.4	331.4	329.8	329.8
75°	270.6	267.4	269.0	262.6	261.0
77.5°	212.9	208.1	206.5	203.3	200.1
80°	153.7	153.7	152.1	148.9	147.3
82.5°	102.5	102.5	100.9	97.7	94.5
85°	57.6	57.6	56.0	51.2	49.6
87.5°	19.2	19.2	19.2	19.2	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)