

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: P297490

Luminaire Tested: **D3X-WO-45L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297490
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-45L92765-LD5-UNV-24-T1-W2A-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4120.0 lumens
Efficiency: N/A
Efficacy: 128.3 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

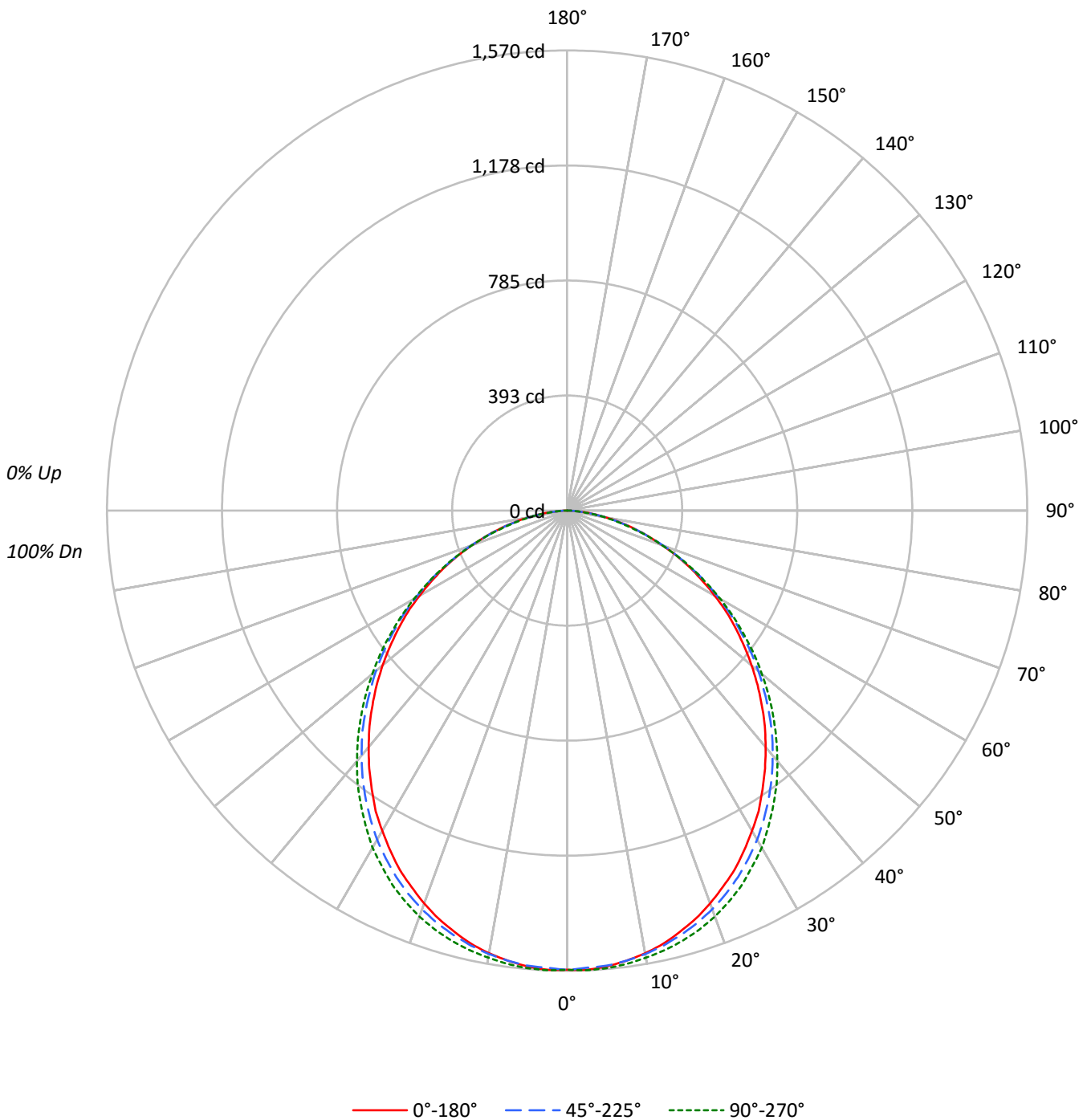
Input Watts (W): 32.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2108	2108	2108
5°	2109	2105	2116
10°	2095	2099	2116
15°	2072	2088	2117
20°	2043	2073	2110
25°	2007	2048	2093
30°	1960	2014	2064
35°	1908	1970	2015
40°	1850	1916	1960
45°	1788	1854	1893
50°	1720	1784	1816
55°	1647	1700	1726
60°	1565	1606	1625
65°	1476	1498	1507
70°	1354	1371	1354
75°	1220	1212	1176
80°	1032	1021	989
85°	772	750	664



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.4	3.6
10°-20°	423.8	10.3
20°-30°	635.4	15.4
30°-40°	748.3	18.2
40°-50°	748.4	18.2
50°-60°	645.8	15.7
60°-70°	464.7	11.3
70°-80°	246.5	6.0
80°-90°	58.8	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°	1207.6	29.3
0°-40°	1955.9	47.5
0°-60°	3350.1	81.3
0°-90°	4120.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4120.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1567	1567	1567	1567	1567	
5°	1561	1560	1559	1564	1567	148
15°	1488	1492	1499	1514	1520	420
25°	1352	1360	1380	1403	1410	622
35°	1162	1176	1199	1220	1227	727
45°	940	952	974	991	995	725
55°	702	709	724	737	736	628
65°	464	465	470	473	473	458
75°	235	232	233	228	226	250
85°	50	50	49	44	43	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1566.9	1566.9	1566.9	1566.9	1566.9
2.5°	1568.3	1565.5	1561.4	1566.9	1569.7
5°	1561.4	1560.0	1558.6	1564.1	1566.9
7.5°	1548.9	1550.3	1548.9	1557.2	1560.0
10°	1533.6	1535.0	1536.4	1546.1	1548.9
12.5°	1514.2	1515.6	1519.7	1532.2	1536.4
15°	1487.8	1492.0	1498.9	1514.2	1519.7
17.5°	1460.0	1465.6	1475.3	1493.4	1498.9
20°	1426.7	1433.7	1447.6	1467.0	1473.9
22.5°	1389.3	1396.2	1415.6	1436.5	1443.4
25°	1351.8	1360.1	1379.5	1403.1	1410.1
27.5°	1307.4	1318.5	1339.3	1362.9	1368.4
30°	1261.6	1271.3	1296.3	1318.5	1328.2
32.5°	1215.8	1225.5	1249.1	1271.3	1278.2
35°	1161.7	1175.5	1199.1	1219.9	1226.9
37.5°	1108.9	1121.4	1146.4	1167.2	1174.1
40°	1053.4	1064.5	1090.9	1110.3	1115.9
42.5°	997.9	1009.0	1035.4	1050.6	1056.2
45°	939.6	952.1	974.3	990.9	995.1
47.5°	881.3	891.0	911.8	927.1	932.7
50°	821.6	831.3	852.2	864.6	867.4
52.5°	761.9	768.9	788.3	799.4	803.6
55°	702.3	709.2	724.5	737.0	735.6
57.5°	645.4	648.1	663.4	671.7	671.7
60°	581.5	584.3	596.8	602.3	603.7
62.5°	521.8	526.0	535.7	537.1	537.1
65°	463.6	464.9	470.5	473.3	473.3
67.5°	405.3	403.9	409.4	409.4	408.0
70°	344.2	347.0	348.4	345.6	344.2
72.5°	288.7	287.3	287.3	285.9	285.9
75°	234.6	231.8	233.2	227.6	226.2
77.5°	184.6	180.4	179.0	176.3	173.5
80°	133.2	133.2	131.8	129.1	127.7
82.5°	88.8	88.8	87.4	84.7	81.9
85°	50.0	50.0	48.6	44.4	43.0
87.5°	16.7	16.7	16.7	16.7	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)