

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: P297334

Luminaire Tested: **D3X-WO-36L82765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297334
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-36L82765-LD5-UNV-24-T1-W2A-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3819.0 lumens
Efficiency: N/A
Efficacy: 147.5 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

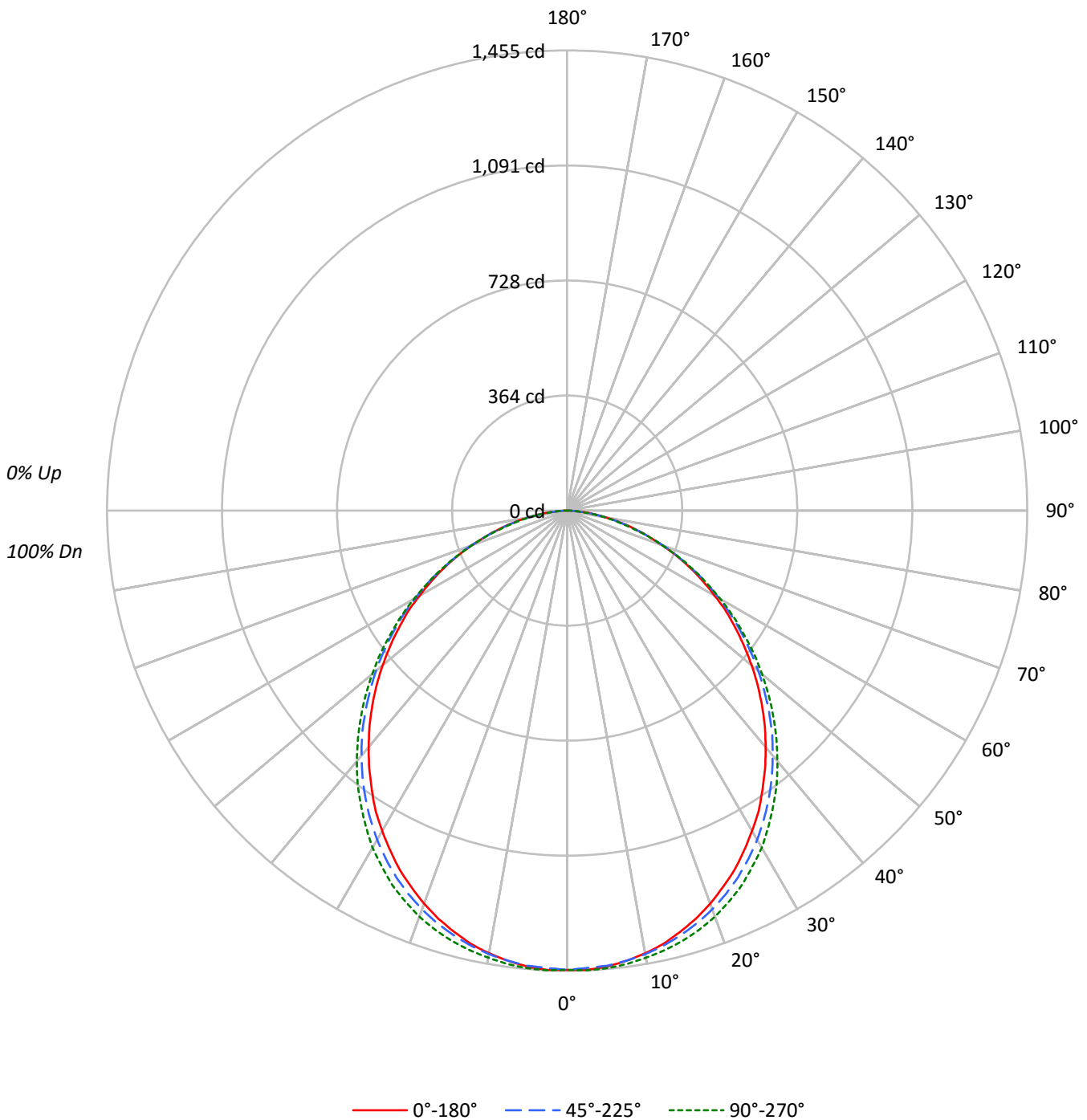
Input Watts (W): 25.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1954	1954	1954
5°	1955	1951	1962
10°	1942	1946	1962
15°	1921	1935	1962
20°	1894	1921	1956
25°	1860	1898	1940
30°	1817	1867	1913
35°	1769	1826	1868
40°	1715	1776	1817
45°	1657	1718	1755
50°	1594	1653	1683
55°	1527	1575	1599
60°	1450	1489	1506
65°	1368	1388	1397
70°	1255	1270	1255
75°	1130	1123	1090
80°	957	947	917
85°	715	695	616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.5	3.6
10°-20°	392.8	10.3
20°-30°	589.0	15.4
30°-40°	693.6	18.2
40°-50°	693.7	18.2
50°-60°	598.6	15.7
60°-70°	430.7	11.3
70°-80°	228.5	6.0
80°-90°	54.5	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°	1119.4	29.3
0°-40°	1813.0	47.5
0°-60°	3105.3	81.3
0°-90°	3819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3819.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1452	1452	1452	1452	1452	
5°	1447	1446	1445	1450	1452	137
15°	1379	1383	1389	1404	1409	389
25°	1253	1261	1279	1301	1307	576
35°	1077	1090	1112	1131	1137	674
45°	871	882	903	918	922	672
55°	651	657	672	683	682	583
65°	430	431	436	439	439	425
75°	217	215	216	211	210	231
85°	46	46	45	41	40	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1452.4	1452.4	1452.4	1452.4	1452.4
2.5°	1453.7	1451.1	1447.3	1452.4	1455.0
5°	1447.3	1446.0	1444.7	1449.9	1452.4
7.5°	1435.7	1437.0	1435.7	1443.4	1446.0
10°	1421.6	1422.8	1424.1	1433.1	1435.7
12.5°	1403.6	1404.8	1408.7	1420.3	1424.1
15°	1379.1	1383.0	1389.4	1403.6	1408.7
17.5°	1353.4	1358.5	1367.5	1384.3	1389.4
20°	1322.5	1328.9	1341.8	1359.8	1366.2
22.5°	1287.8	1294.2	1312.2	1331.5	1337.9
25°	1253.0	1260.8	1278.8	1300.6	1307.1
27.5°	1211.9	1222.2	1241.5	1263.3	1268.5
30°	1169.4	1178.4	1201.6	1222.2	1231.2
32.5°	1127.0	1136.0	1157.8	1178.4	1184.8
35°	1076.8	1089.6	1111.5	1130.8	1137.2
37.5°	1027.9	1039.5	1062.6	1081.9	1088.4
40°	976.4	986.7	1011.2	1029.2	1034.3
42.5°	925.0	935.3	959.7	973.9	979.0
45°	870.9	882.5	903.1	918.5	922.4
47.5°	816.9	825.9	845.2	859.4	864.5
50°	761.6	770.6	789.9	801.5	804.1
52.5°	706.3	712.7	730.7	741.0	744.9
55°	651.0	657.4	671.5	683.1	681.8
57.5°	598.2	600.8	614.9	622.7	622.7
60°	539.0	541.6	553.2	558.3	559.6
62.5°	483.7	487.6	496.6	497.9	497.9
65°	429.7	431.0	436.1	438.7	438.7
67.5°	375.7	374.4	379.5	379.5	378.2
70°	319.0	321.6	322.9	320.3	319.0
72.5°	267.6	266.3	266.3	265.0	265.0
75°	217.4	214.8	216.1	211.0	209.7
77.5°	171.1	167.2	166.0	163.4	160.8
80°	123.5	123.5	122.2	119.6	118.4
82.5°	82.3	82.3	81.0	78.5	75.9
85°	46.3	46.3	45.0	41.2	39.9
87.5°	15.4	15.4	15.4	15.4	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)