

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: P297330

Luminaire Tested: **D3X-WO-36L82765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297330
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-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3587.0 lumens
Efficiency: N/A
Efficacy: 141.8 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

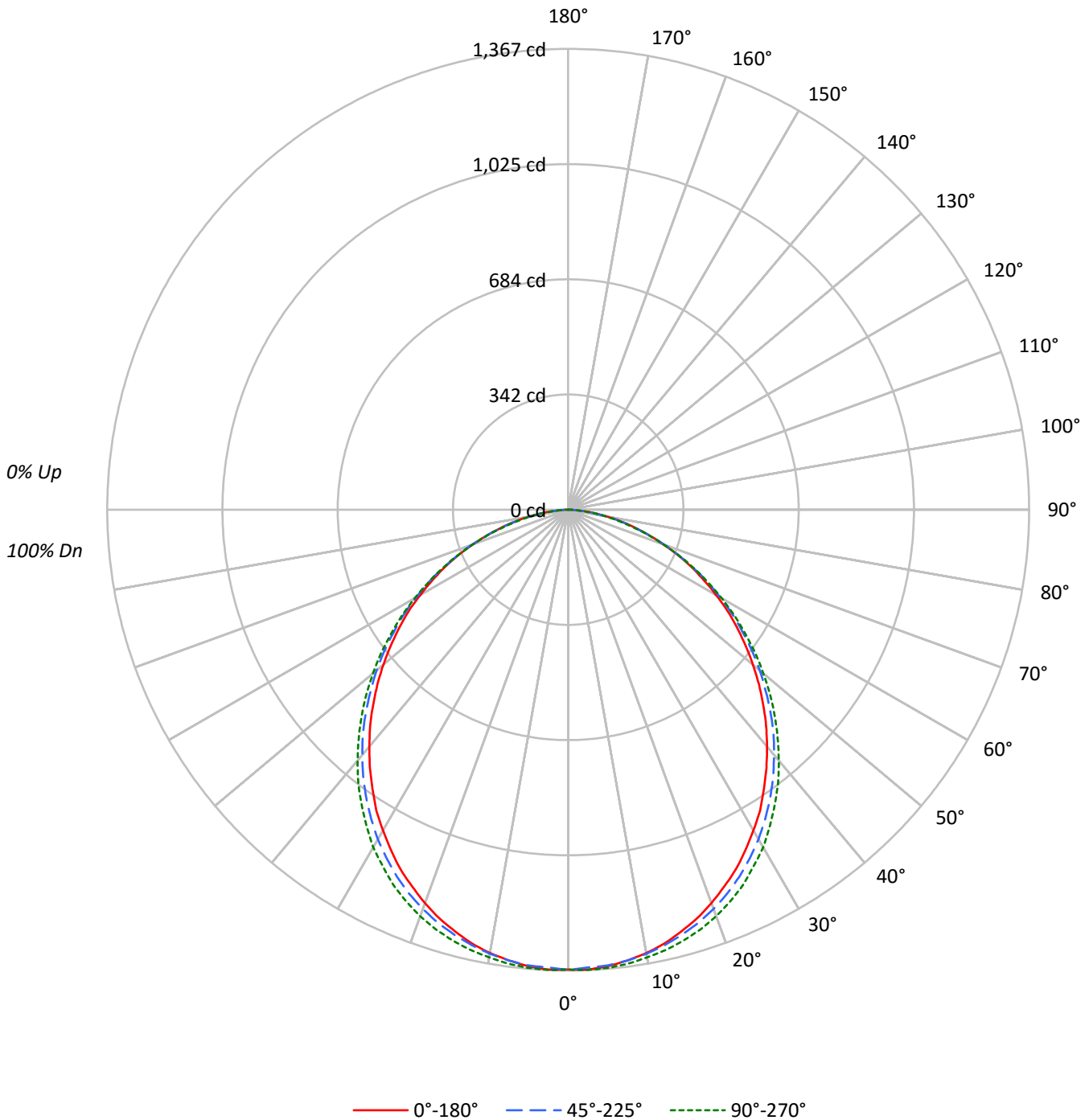
Input Watts (W): 25.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1836	1836	1836
5°	1836	1833	1843
10°	1824	1827	1842
15°	1804	1818	1843
20°	1779	1805	1837
25°	1747	1783	1823
30°	1707	1753	1797
35°	1661	1715	1755
40°	1611	1668	1706
45°	1556	1614	1649
50°	1497	1553	1581
55°	1434	1479	1502
60°	1362	1398	1414
65°	1285	1304	1312
70°	1179	1193	1179
75°	1062	1055	1024
80°	899	890	862
85°	672	653	579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.2	3.6
10°-20°	369.0	10.3
20°-30°	553.2	15.4
30°-40°	651.5	18.2
40°-50°	651.6	18.2
50°-60°	562.2	15.7
60°-70°	404.6	11.3
70°-80°	214.6	6.0
80°-90°	51.2	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°	1051.4	29.3
0°-40°	1702.9	47.5
0°-60°	2916.7	81.3
0°-90°	3587.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3587.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1364	1364	1364	1364	1364	
5°	1359	1358	1357	1362	1364	129
15°	1295	1299	1305	1318	1323	365
25°	1177	1184	1201	1222	1228	541
35°	1011	1024	1044	1062	1068	633
45°	818	829	848	863	866	631
55°	611	618	631	642	640	547
65°	404	405	410	412	412	399
75°	204	202	203	198	197	217
85°	44	44	42	39	38	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1364.2	1364.2	1364.2	1364.2	1364.2
2.5°	1365.4	1363.0	1359.4	1364.2	1366.6
5°	1359.4	1358.2	1357.0	1361.8	1364.2
7.5°	1348.5	1349.7	1348.5	1355.7	1358.2
10°	1335.2	1336.4	1337.6	1346.1	1348.5
12.5°	1318.3	1319.5	1323.1	1334.0	1337.6
15°	1295.3	1299.0	1305.0	1318.3	1323.1
17.5°	1271.2	1276.0	1284.5	1300.2	1305.0
20°	1242.2	1248.2	1260.3	1277.2	1283.2
22.5°	1209.5	1215.6	1232.5	1250.6	1256.7
25°	1176.9	1184.2	1201.1	1221.6	1227.7
27.5°	1138.2	1147.9	1166.0	1186.6	1191.4
30°	1098.4	1106.8	1128.6	1147.9	1156.4
32.5°	1058.5	1067.0	1087.5	1106.8	1112.9
35°	1011.4	1023.5	1044.0	1062.1	1068.2
37.5°	965.5	976.3	998.1	1016.2	1022.2
40°	917.1	926.8	949.7	966.7	971.5
42.5°	868.8	878.5	901.4	914.7	919.5
45°	818.0	828.9	848.2	862.7	866.4
47.5°	767.3	775.7	793.9	807.2	812.0
50°	715.3	723.8	741.9	752.8	755.2
52.5°	663.4	669.4	686.3	696.0	699.6
55°	611.4	617.5	630.7	641.6	640.4
57.5°	561.9	564.3	577.6	584.8	584.8
60°	506.3	508.7	519.6	524.4	525.6
62.5°	454.3	458.0	466.4	467.6	467.6
65°	403.6	404.8	409.6	412.0	412.0
67.5°	352.8	351.6	356.5	356.5	355.2
70°	299.7	302.1	303.3	300.9	299.7
72.5°	251.3	250.1	250.1	248.9	248.9
75°	204.2	201.8	203.0	198.2	197.0
77.5°	160.7	157.1	155.9	153.5	151.0
80°	116.0	116.0	114.8	112.4	111.2
82.5°	77.3	77.3	76.1	73.7	71.3
85°	43.5	43.5	42.3	38.7	37.5
87.5°	14.5	14.5	14.5	14.5	14.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)