

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: P297471

Luminaire Tested: **D3X-WO-36L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297471
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-36L92765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3244.0 lumens
Efficiency: N/A
Efficacy: 127.2 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

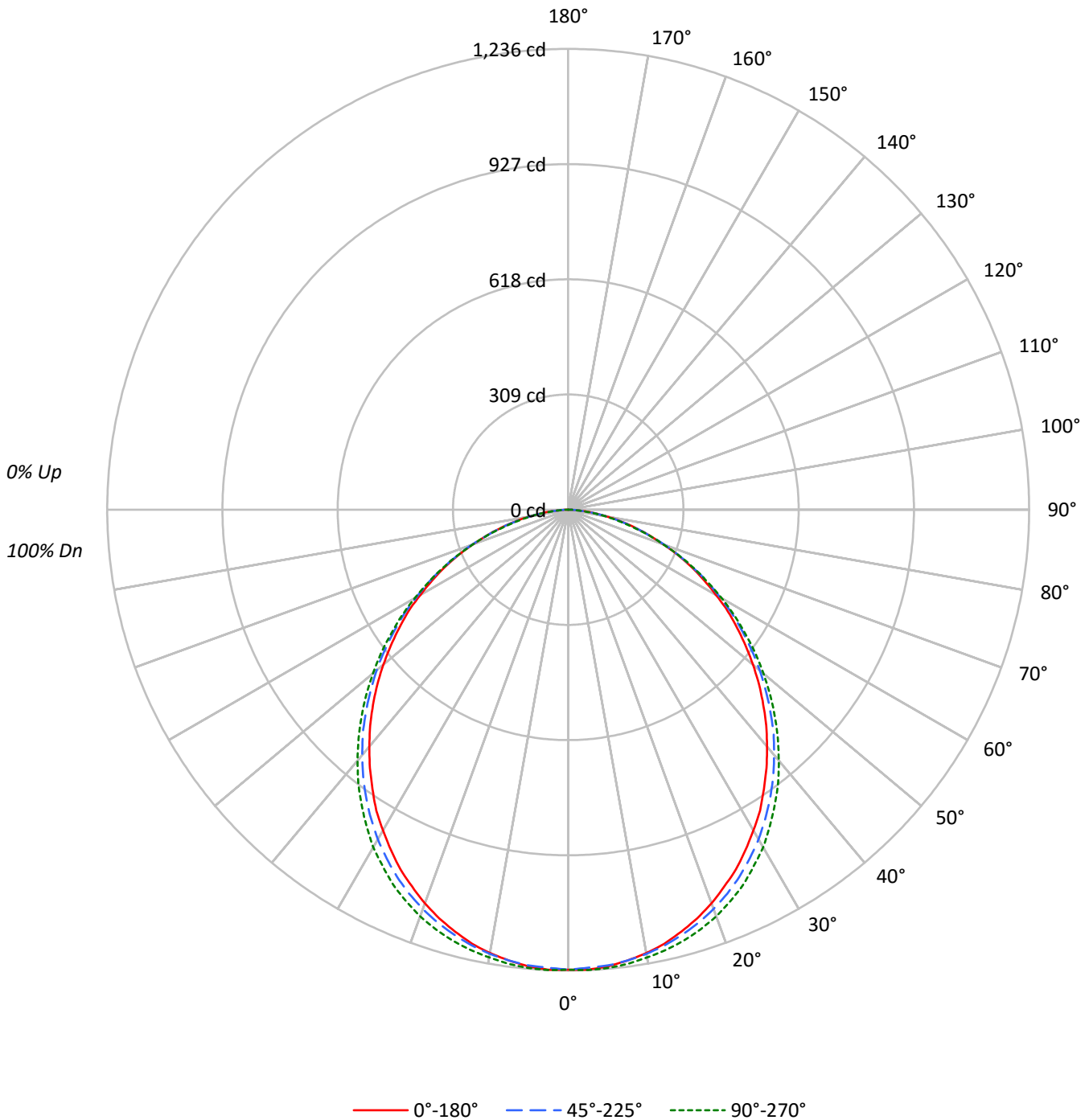
Input Watts (W): 25.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1660	1660	1660
5°	1660	1657	1666
10°	1650	1653	1666
15°	1632	1644	1667
20°	1609	1632	1662
25°	1580	1613	1648
30°	1543	1586	1625
35°	1502	1551	1587
40°	1457	1509	1543
45°	1408	1460	1491
50°	1354	1405	1430
55°	1297	1338	1359
60°	1232	1264	1279
65°	1162	1180	1186
70°	1066	1079	1066
75°	960	954	926
80°	813	804	779
85°	607	590	523



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	3.6
10°-20°	333.7	10.3
20°-30°	500.3	15.4
30°-40°	589.2	18.2
40°-50°	589.3	18.2
50°-60°	508.5	15.7
60°-70°	365.9	11.3
70°-80°	194.1	6.0
80°-90°	46.3	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°	950.8	29.3
0°-40°	1540.0	47.5
0°-60°	2637.8	81.3
0°-90°	3244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3244.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1234	1234	1234	1234	1234	
5°	1229	1228	1227	1232	1234	117
15°	1172	1175	1180	1192	1197	330
25°	1064	1071	1086	1105	1110	490
35°	915	926	944	961	966	572
45°	740	750	767	780	784	571
55°	553	558	570	580	579	495
65°	365	366	370	373	373	361
75°	185	182	184	179	178	196
85°	39	39	38	35	34	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1233.8	1233.8	1233.8	1233.8	1233.8
2.5°	1234.8	1232.7	1229.4	1233.8	1235.9
5°	1229.4	1228.3	1227.2	1231.6	1233.8
7.5°	1219.5	1220.6	1219.5	1226.1	1228.3
10°	1207.5	1208.6	1209.7	1217.4	1219.5
12.5°	1192.2	1193.3	1196.6	1206.4	1209.7
15°	1171.5	1174.7	1180.2	1192.2	1196.6
17.5°	1149.6	1154.0	1161.6	1175.8	1180.2
20°	1123.4	1128.8	1139.8	1155.1	1160.5
22.5°	1093.9	1099.3	1114.6	1131.0	1136.5
25°	1064.4	1070.9	1086.2	1104.8	1110.3
27.5°	1029.4	1038.1	1054.5	1073.1	1077.5
30°	993.3	1001.0	1020.7	1038.1	1045.8
32.5°	957.3	964.9	983.5	1001.0	1006.5
35°	914.7	925.6	944.2	960.6	966.0
37.5°	873.1	883.0	902.6	919.0	924.5
40°	829.4	838.2	858.9	874.2	878.6
42.5°	785.7	794.5	815.2	827.2	831.6
45°	739.8	749.6	767.1	780.2	783.5
47.5°	693.9	701.6	718.0	730.0	734.4
50°	646.9	654.6	671.0	680.8	683.0
52.5°	599.9	605.4	620.7	629.4	632.7
55°	552.9	558.4	570.4	580.3	579.2
57.5°	508.1	510.3	522.4	528.9	528.9
60°	457.9	460.1	469.9	474.3	475.4
62.5°	410.9	414.2	421.8	422.9	422.9
65°	365.0	366.1	370.5	372.6	372.6
67.5°	319.1	318.0	322.4	322.4	321.3
70°	271.0	273.2	274.3	272.1	271.0
72.5°	227.3	226.2	226.2	225.1	225.1
75°	184.7	182.5	183.6	179.2	178.1
77.5°	145.3	142.1	141.0	138.8	136.6
80°	104.9	104.9	103.8	101.6	100.5
82.5°	69.9	69.9	68.8	66.7	64.5
85°	39.3	39.3	38.2	35.0	33.9
87.5°	13.1	13.1	13.1	13.1	13.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)