

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: P297470

Luminaire Tested: **D3X-WO-36L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297470
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-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3143.0 lumens
Efficiency: N/A
Efficacy: 124.2 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

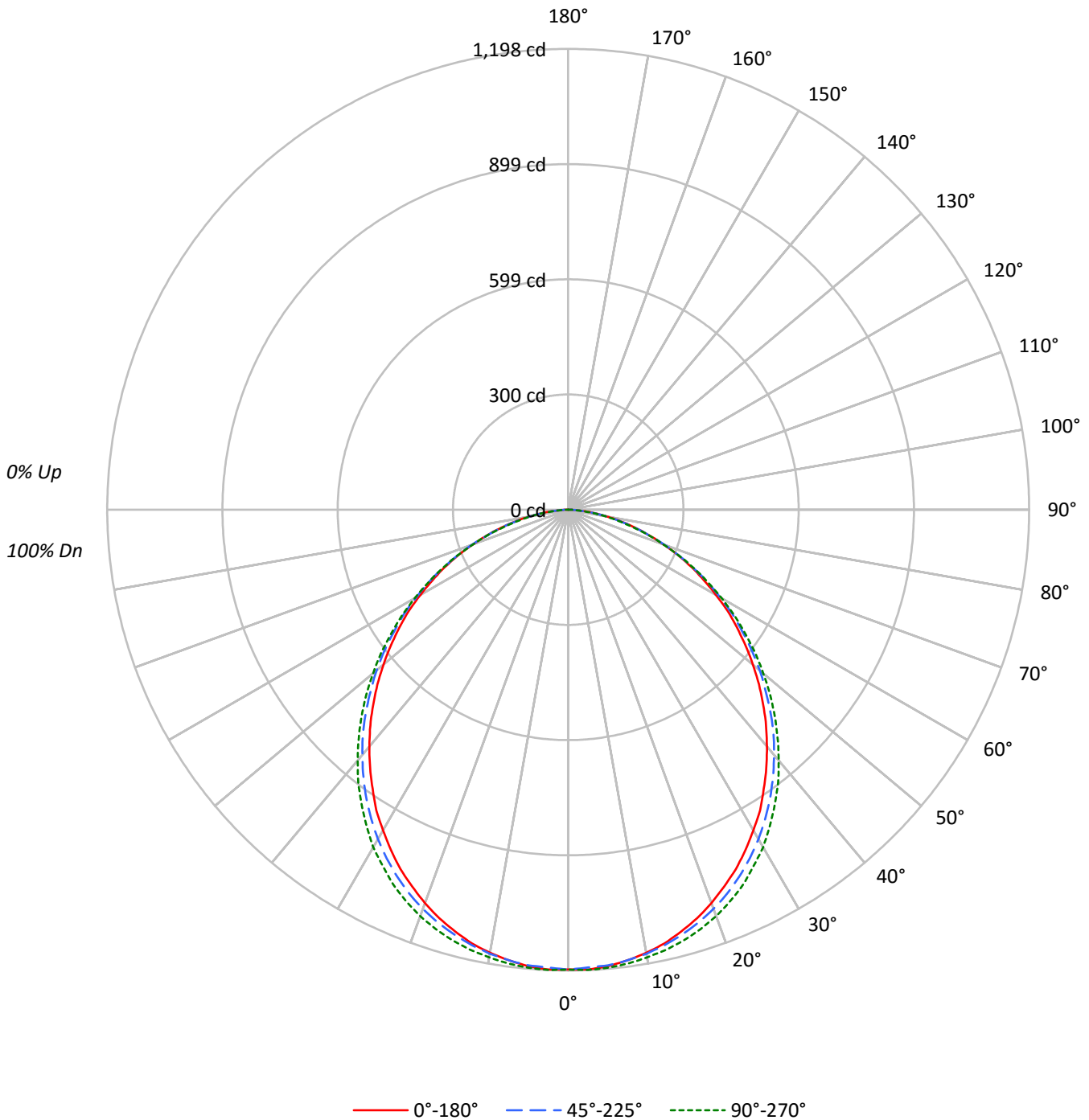
Input Watts (W): 25.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1608	1608	1608
5°	1609	1606	1614
10°	1598	1601	1614
15°	1581	1593	1615
20°	1558	1581	1610
25°	1531	1562	1597
30°	1495	1536	1574
35°	1456	1503	1537
40°	1411	1462	1495
45°	1364	1414	1444
50°	1312	1361	1385
55°	1257	1297	1316
60°	1194	1225	1239
65°	1126	1143	1149
70°	1033	1045	1033
75°	930	925	897
80°	787	779	755
85°	588	573	506



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.2	3.6
10°-20°	323.3	10.3
20°-30°	484.7	15.4
30°-40°	570.9	18.2
40°-50°	571.0	18.2
50°-60°	492.6	15.7
60°-70°	354.5	11.3
70°-80°	188.0	6.0
80°-90°	44.8	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°	921.2	29.3
0°-40°	1492.1	47.5
0°-60°	2555.6	81.3
0°-90°	3143.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3143.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1195	1195	1195	1195	1195	
5°	1191	1190	1189	1193	1195	113
15°	1135	1138	1144	1155	1159	320
25°	1031	1038	1052	1070	1076	474
35°	886	897	915	931	936	554
45°	717	726	743	756	759	553
55°	536	541	553	562	561	479
65°	354	355	359	361	361	350
75°	179	177	178	174	173	190
85°	38	38	37	34	33	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1195.3	1195.3	1195.3	1195.3	1195.3
2.5°	1196.4	1194.3	1191.1	1195.3	1197.5
5°	1191.1	1190.0	1189.0	1193.2	1195.3
7.5°	1181.6	1182.6	1181.6	1187.9	1190.0
10°	1169.9	1171.0	1172.0	1179.5	1181.6
12.5°	1155.1	1156.2	1159.3	1168.9	1172.0
15°	1135.0	1138.2	1143.5	1155.1	1159.3
17.5°	1113.8	1118.1	1125.5	1139.2	1143.5
20°	1088.4	1093.7	1104.3	1119.1	1124.4
22.5°	1059.8	1065.1	1079.9	1095.8	1101.1
25°	1031.2	1037.6	1052.4	1070.4	1075.7
27.5°	997.4	1005.8	1021.7	1039.7	1043.9
30°	962.4	969.8	988.9	1005.8	1013.2
32.5°	927.5	934.9	952.9	969.8	975.1
35°	886.2	896.8	914.8	930.7	935.9
37.5°	845.9	855.5	874.5	890.4	895.7
40°	803.6	812.1	832.2	847.0	851.2
42.5°	761.2	769.7	789.8	801.5	805.7
45°	716.8	726.3	743.3	756.0	759.1
47.5°	672.3	679.7	695.6	707.3	711.5
50°	626.8	634.2	650.1	659.6	661.7
52.5°	581.3	586.6	601.4	609.8	613.0
55°	535.7	541.0	552.7	562.2	561.1
57.5°	492.3	494.4	506.1	512.4	512.4
60°	443.6	445.7	455.3	459.5	460.6
62.5°	398.1	401.3	408.7	409.7	409.7
65°	353.6	354.7	358.9	361.0	361.0
67.5°	309.2	308.1	312.3	312.3	311.3
70°	262.6	264.7	265.7	263.6	262.6
72.5°	220.2	219.2	219.2	218.1	218.1
75°	178.9	176.8	177.9	173.6	172.6
77.5°	140.8	137.6	136.6	134.5	132.3
80°	101.6	101.6	100.6	98.5	97.4
82.5°	67.8	67.8	66.7	64.6	62.5
85°	38.1	38.1	37.1	33.9	32.8
87.5°	12.7	12.7	12.7	12.7	12.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)