

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: P297468

Luminaire Tested: **D3X-WO-36L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297468
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-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2878.0 lumens
Efficiency: N/A
Efficacy: 114.7 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

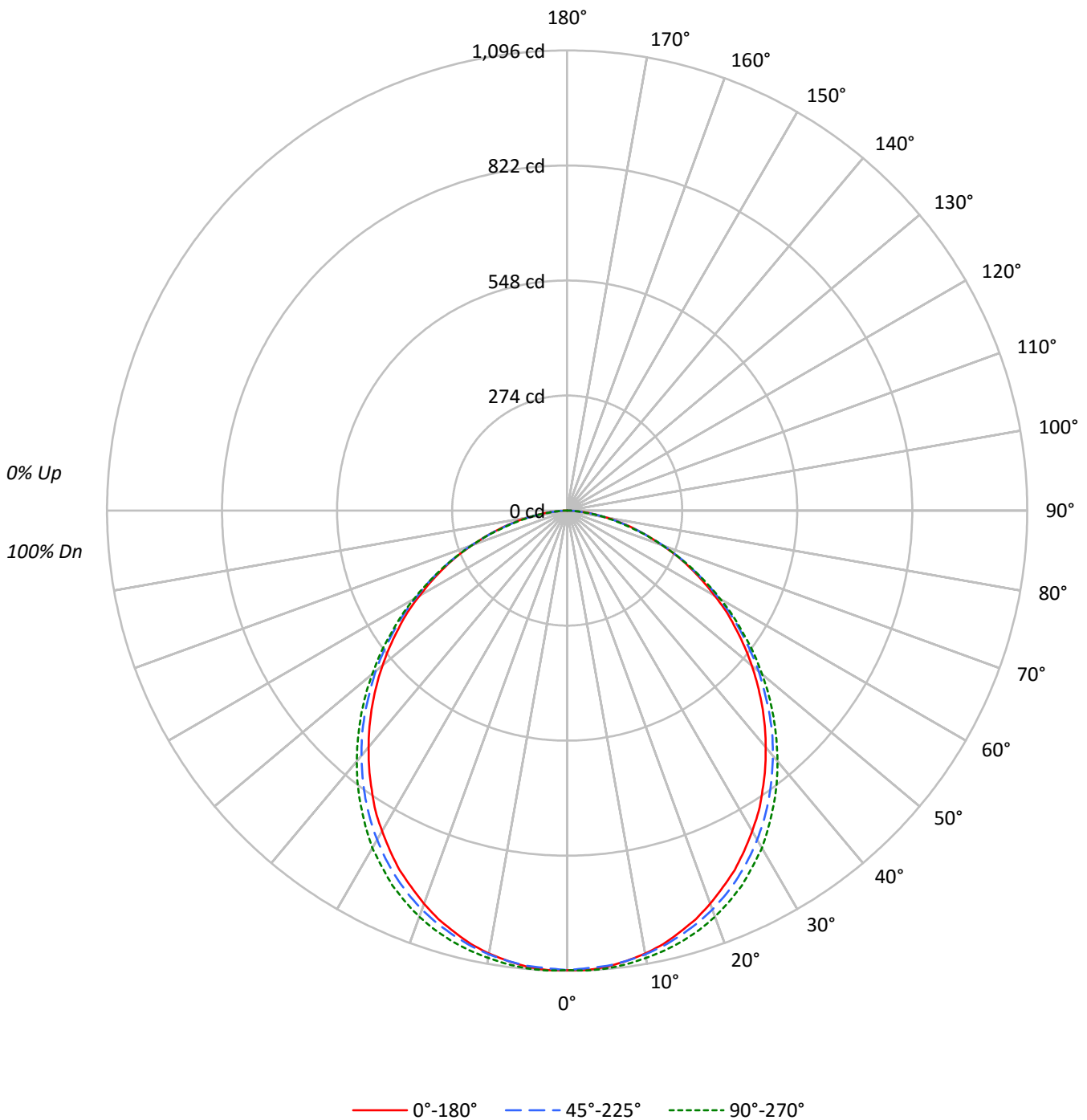
Input Watts (W): 25.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1473	1473	1473
5°	1473	1470	1478
10°	1464	1466	1478
15°	1448	1459	1479
20°	1427	1448	1474
25°	1402	1431	1462
30°	1369	1407	1441
35°	1333	1376	1408
40°	1292	1338	1369
45°	1249	1295	1323
50°	1201	1246	1268
55°	1151	1187	1205
60°	1093	1122	1135
65°	1031	1046	1053
70°	946	957	946
75°	852	847	821
80°	721	714	691
85°	539	523	465



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.6	3.6
10°-20°	296.0	10.3
20°-30°	443.9	15.4
30°-40°	522.7	18.2
40°-50°	522.8	18.2
50°-60°	451.1	15.7
60°-70°	324.6	11.3
70°-80°	172.2	6.0
80°-90°	41.0	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°	843.5	29.3
0°-40°	1366.3	47.5
0°-60°	2340.2	81.3
0°-90°	2878.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2878.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1095	1095	1095	1095	1095	
5°	1091	1090	1089	1093	1095	103
15°	1039	1042	1047	1058	1062	293
25°	944	950	964	980	985	434
35°	812	821	838	852	857	508
45°	656	665	681	692	695	506
55°	491	495	506	515	514	439
65°	324	325	329	331	331	320
75°	164	162	163	159	158	174
85°	35	35	34	31	30	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1094.6	1094.6	1094.6	1094.6	1094.6
2.5°	1095.5	1093.6	1090.7	1094.6	1096.5
5°	1090.7	1089.7	1088.7	1092.6	1094.6
7.5°	1082.0	1082.9	1082.0	1087.8	1089.7
10°	1071.3	1072.3	1073.2	1080.0	1082.0
12.5°	1057.7	1058.7	1061.6	1070.3	1073.2
15°	1039.3	1042.2	1047.1	1057.7	1061.6
17.5°	1019.9	1023.8	1030.6	1043.2	1047.1
20°	996.6	1001.5	1011.2	1024.8	1029.6
22.5°	970.5	975.3	988.9	1003.4	1008.3
25°	944.3	950.1	963.7	980.2	985.0
27.5°	913.3	921.0	935.6	952.0	955.9
30°	881.3	888.1	905.5	921.0	927.8
32.5°	849.3	856.1	872.5	888.1	892.9
35°	811.5	821.2	837.6	852.2	857.0
37.5°	774.6	783.3	800.8	815.3	820.2
40°	735.8	743.6	762.0	775.6	779.5
42.5°	697.1	704.8	723.2	733.9	737.8
45°	656.3	665.1	680.6	692.2	695.1
47.5°	615.6	622.4	637.0	647.6	651.5
50°	573.9	580.7	595.3	604.0	605.9
52.5°	532.3	537.1	550.7	558.4	561.3
55°	490.6	495.4	506.1	514.8	513.8
57.5°	450.8	452.8	463.4	469.2	469.2
60°	406.2	408.2	416.9	420.8	421.7
62.5°	364.5	367.4	374.2	375.2	375.2
65°	323.8	324.8	328.7	330.6	330.6
67.5°	283.1	282.1	286.0	286.0	285.0
70°	240.4	242.4	243.3	241.4	240.4
72.5°	201.7	200.7	200.7	199.7	199.7
75°	163.8	161.9	162.9	159.0	158.0
77.5°	128.9	126.0	125.1	123.1	121.2
80°	93.1	93.1	92.1	90.2	89.2
82.5°	62.0	62.0	61.1	59.1	57.2
85°	34.9	34.9	33.9	31.0	30.1
87.5°	11.6	11.6	11.6	11.6	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)