

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: P296908

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-36L92765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2702.0 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

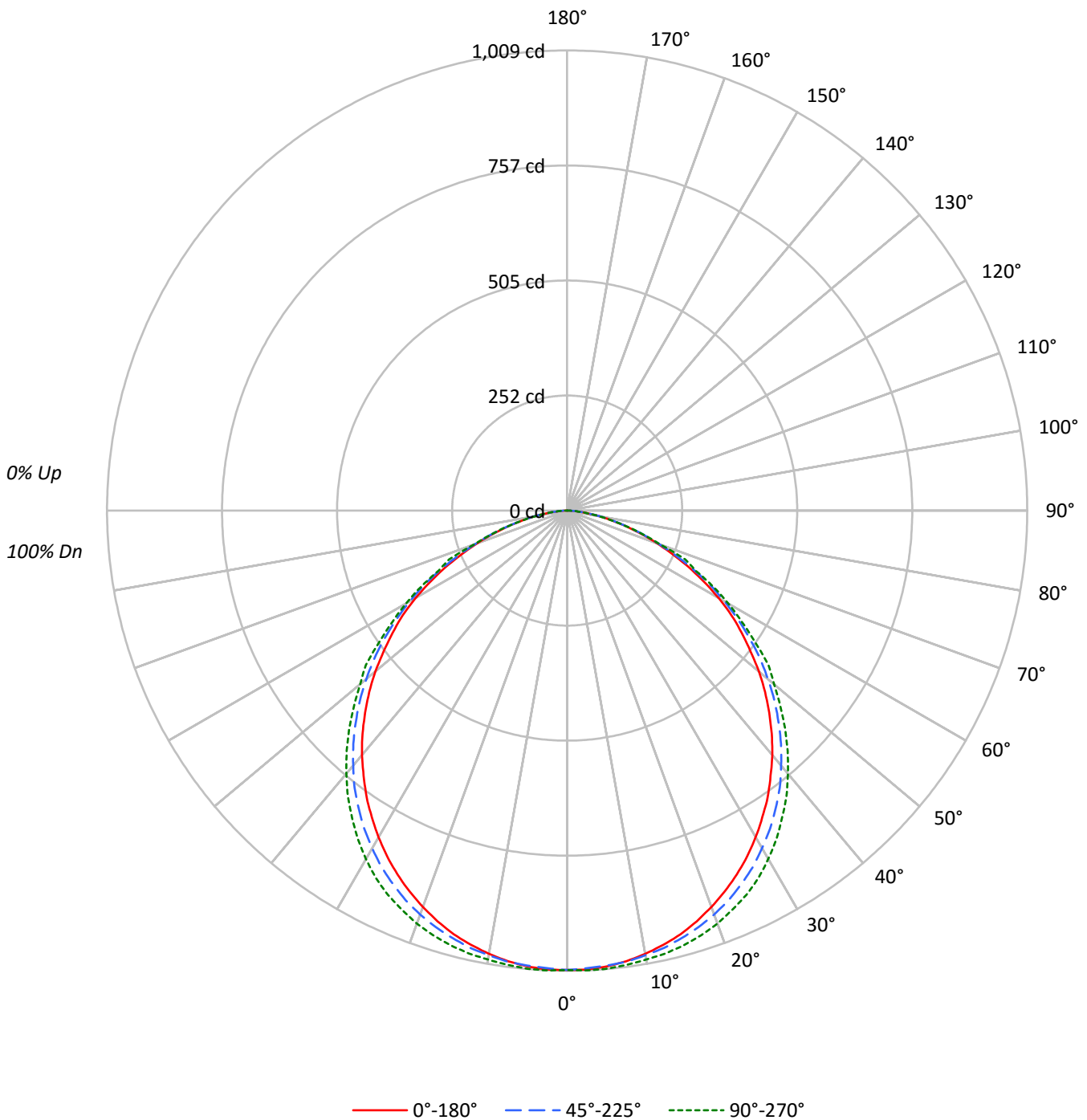
Input Watts (W): 25.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	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	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	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°	1355	1355	1355
5°	1355	1353	1362
10°	1348	1352	1366
15°	1340	1352	1375
20°	1324	1349	1380
25°	1307	1341	1380
30°	1285	1329	1371
35°	1260	1309	1350
40°	1229	1282	1323
45°	1192	1247	1286
50°	1149	1203	1240
55°	1096	1146	1180
60°	1033	1072	1098
65°	938	969	988
70°	824	843	854
75°	696	705	711
80°	556	563	549
85°	374	389	374



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.5	3.5
10°-20°	274.5	10.2
20°-30°	416.5	15.4
30°-40°	497.3	18.4
40°-50°	503.4	18.6
50°-60°	435.2	16.1
60°-70°	301.6	11.2
70°-80°	145.9	5.4
80°-90°	32.1	1.2
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°	786.5	29.1
0°-40°	1283.8	47.5
0°-60°	2222.4	82.2
0°-90°	2702.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2702.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1007	1007	1007	1007	1007	
5°	1003	1002	1002	1006	1008	95
15°	962	964	970	982	987	271
25°	880	886	904	922	930	405
35°	767	774	797	817	822	479
45°	626	635	655	672	676	483
55°	467	472	489	509	503	418
65°	295	298	304	309	310	292
75°	134	135	136	135	137	144
85°	24	26	25	24	24	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1007.3	1007.3	1007.3	1007.3	1007.3
2.5°	1007.3	1006.3	1004.4	1007.3	1009.2
5°	1003.4	1002.4	1001.5	1006.3	1008.3
7.5°	996.6	996.6	997.6	1002.4	1004.4
10°	986.9	987.9	989.8	997.6	999.5
12.5°	975.3	977.2	982.1	990.8	994.7
15°	961.7	963.7	970.4	982.1	986.9
17.5°	944.3	948.1	957.8	971.4	976.3
20°	924.9	929.7	942.3	957.8	963.7
22.5°	903.6	908.4	924.9	941.4	947.2
25°	880.3	886.1	903.6	922.0	929.7
27.5°	855.1	861.9	881.3	900.6	908.4
30°	827.0	834.7	855.1	875.4	882.2
32.5°	796.9	804.7	827.9	847.3	854.1
35°	766.9	773.6	796.9	817.3	822.1
37.5°	732.9	740.7	765.9	783.3	790.1
40°	700.0	707.7	730.0	747.5	753.3
42.5°	664.1	671.8	694.1	710.6	715.5
45°	626.3	635.0	655.4	671.8	675.7
47.5°	588.5	595.3	616.6	631.1	634.0
50°	548.7	555.5	574.9	589.4	592.4
52.5°	507.0	517.7	533.2	543.9	556.5
55°	467.3	472.1	488.6	509.0	503.2
57.5°	427.5	430.4	444.0	452.7	454.7
60°	383.9	387.8	398.5	403.3	408.1
62.5°	338.3	341.3	353.9	358.7	360.6
65°	294.7	297.6	304.4	309.3	310.2
67.5°	250.1	253.0	258.9	262.7	280.2
70°	209.4	211.3	214.3	222.0	217.2
72.5°	170.6	171.6	174.5	174.5	175.5
75°	133.8	134.8	135.7	134.8	136.7
77.5°	99.9	101.8	102.8	101.8	100.8
80°	71.7	73.7	72.7	70.8	70.8
82.5°	46.5	47.5	46.5	45.6	45.6
85°	24.2	26.2	25.2	24.2	24.2
87.5°	8.7	9.7	10.7	11.6	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)