

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: P297189

Luminaire Tested: **D3X-WG-36L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-36L92765-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2814.0 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

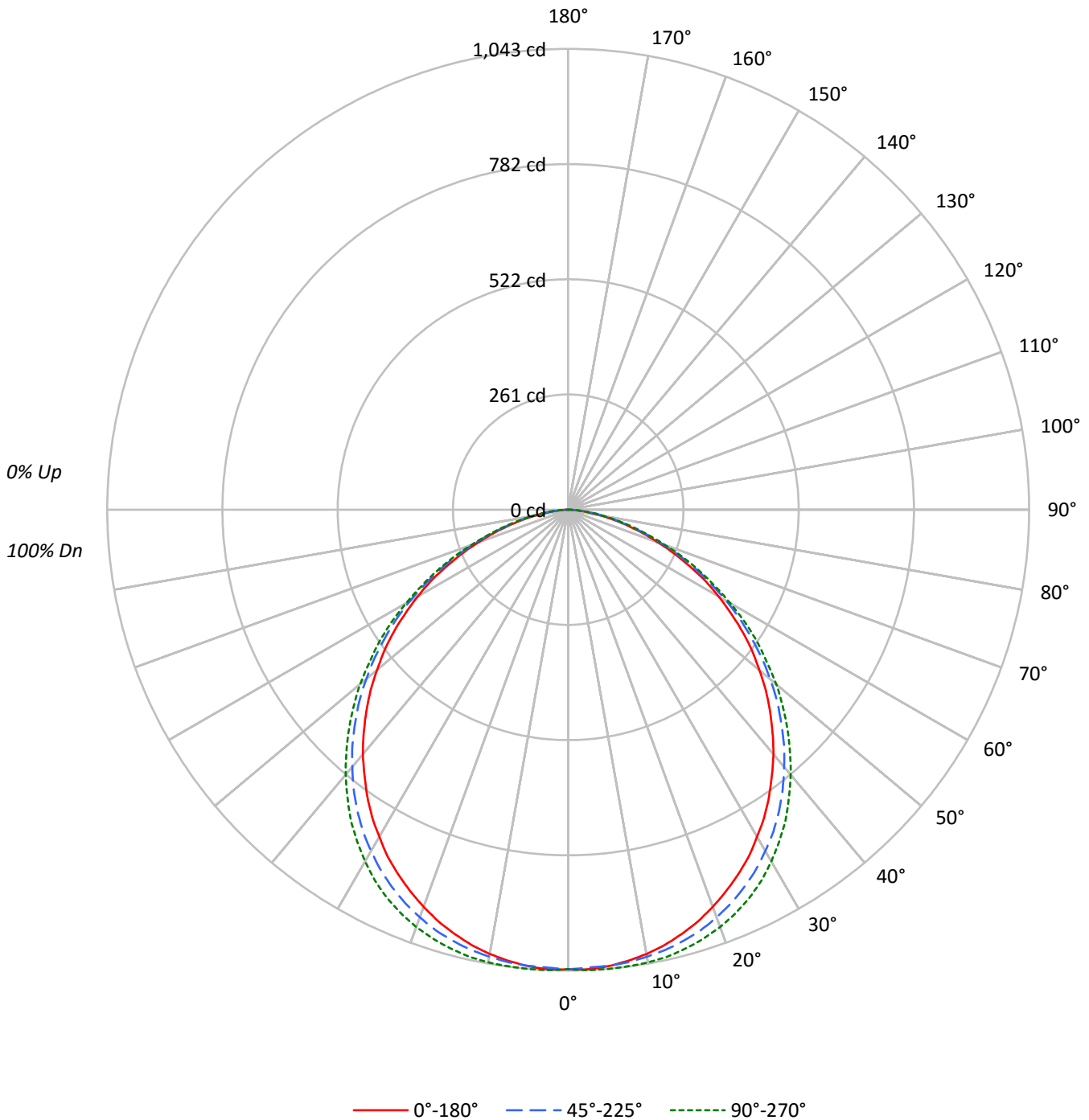
Input Watts (W): 24.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	47	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	27	38	32	27	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1400	1400	1400
5°	1401	1400	1409
10°	1395	1403	1421
15°	1384	1407	1432
20°	1370	1406	1439
25°	1351	1399	1440
30°	1328	1386	1428
35°	1301	1366	1409
40°	1270	1335	1376
45°	1229	1297	1335
50°	1182	1249	1287
55°	1130	1187	1225
60°	1058	1112	1139
65°	966	1017	1043
70°	849	892	916
75°	718	755	781
80°	570	625	641
85°	389	466	451



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	3.5
10°-20°	285.4	10.1
20°-30°	433.7	15.4
30°-40°	517.5	18.4
40°-50°	522.6	18.6
50°-60°	450.3	16.0
60°-70°	313.9	11.2
70°-80°	155.6	5.5
80°-90°	36.3	1.3
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°	817.9	29.1
0°-40°	1335.3	47.5
0°-60°	2308.3	82.0
0°-90°	2814.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2814.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1040	1040	1040	1040	1040	
5°	1037	1036	1036	1041	1043	98
15°	994	999	1010	1023	1028	280
25°	910	922	942	962	970	419
35°	792	805	832	851	858	495
45°	646	660	681	698	702	498
55°	482	492	506	518	522	429
65°	303	310	320	323	328	301
75°	138	140	145	148	150	149
85°	25	30	30	28	29	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1040.3	1040.3	1040.3	1040.3	1040.3
2.5°	1041.3	1039.3	1037.3	1041.3	1043.3
5°	1037.3	1036.2	1036.2	1041.3	1043.3
7.5°	1030.2	1030.2	1033.2	1040.3	1042.3
10°	1021.1	1023.1	1027.2	1037.3	1040.3
12.5°	1009.0	1013.1	1020.1	1032.2	1036.2
15°	993.9	998.9	1010.0	1023.1	1028.2
17.5°	976.8	983.8	997.9	1013.1	1018.1
20°	956.6	965.7	981.8	998.9	1005.0
22.5°	934.4	945.5	963.7	981.8	988.9
25°	910.2	922.3	942.5	961.7	969.7
27.5°	885.0	897.1	919.3	938.5	946.5
30°	854.8	868.9	892.1	912.3	919.3
32.5°	825.6	839.7	863.9	882.0	889.1
35°	792.3	805.4	831.6	850.8	857.8
37.5°	757.0	772.1	797.3	814.5	820.5
40°	722.8	735.9	760.0	777.2	783.2
42.5°	684.4	698.6	722.8	737.9	742.9
45°	646.1	660.3	681.4	697.5	701.6
47.5°	606.8	619.9	641.1	654.2	658.2
50°	564.5	576.6	596.7	609.9	614.9
52.5°	524.2	535.3	552.4	563.5	566.5
55°	481.8	491.9	506.0	518.1	522.2
57.5°	436.5	447.6	460.7	470.7	473.8
60°	393.1	402.2	413.3	422.4	423.4
62.5°	350.8	354.8	364.9	373.0	374.0
65°	303.4	309.5	319.5	322.6	327.6
67.5°	260.1	264.1	272.2	276.2	280.2
70°	215.7	218.7	226.8	231.8	232.9
72.5°	177.4	178.4	184.5	188.5	189.5
75°	138.1	140.1	145.2	148.2	150.2
77.5°	104.8	106.9	110.9	112.9	112.9
80°	73.6	76.6	80.6	81.6	82.7
82.5°	47.4	51.4	54.4	55.4	53.4
85°	25.2	30.2	30.2	28.2	29.2
87.5°	9.1	11.1	12.1	13.1	13.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)