

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: P297190

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297190
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-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2955.0 lumens
Efficiency: N/A
Efficacy: 116.8 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

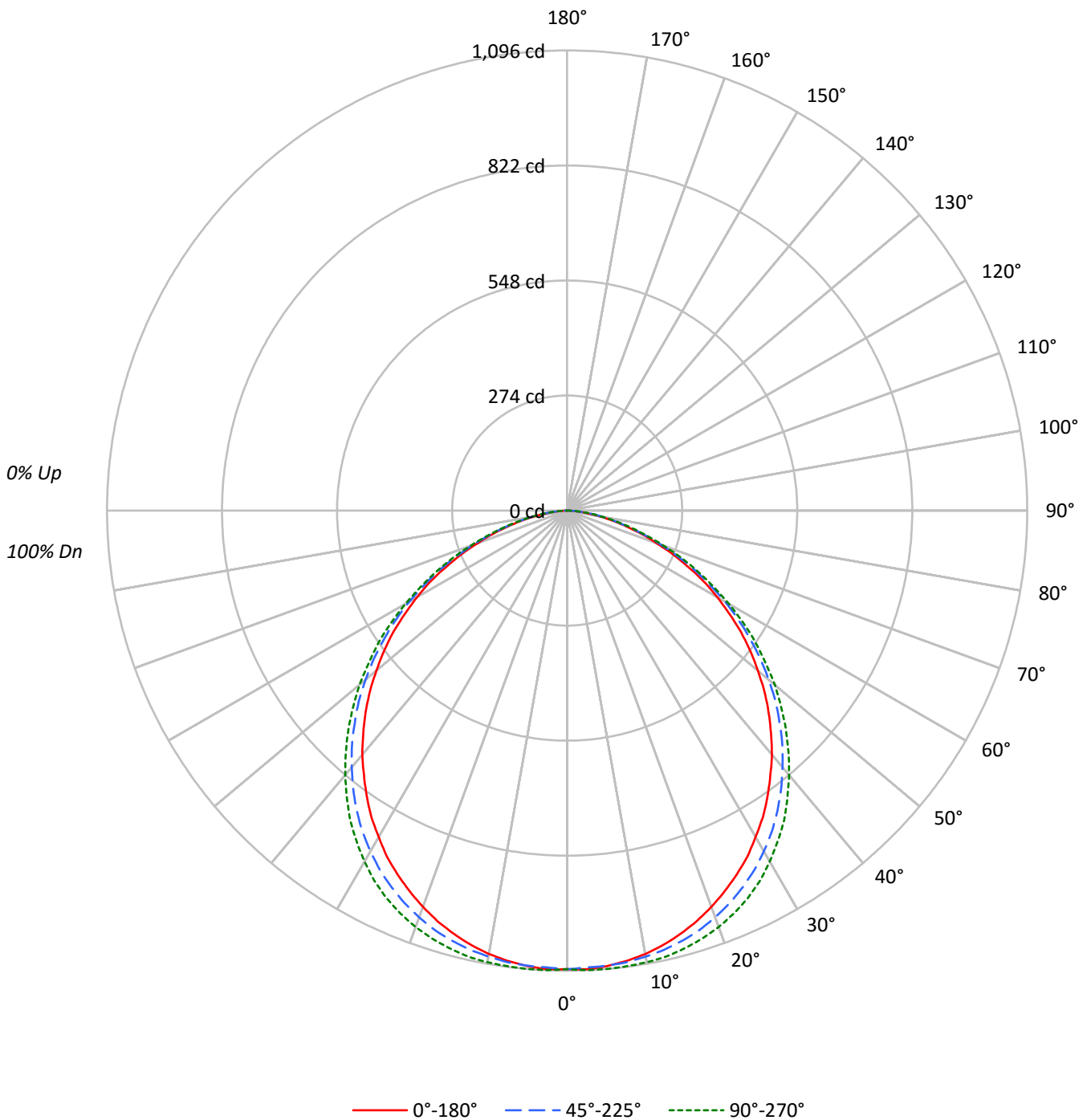
Input Watts (W): 25.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1470	1470	1470
5°	1471	1470	1480
10°	1465	1474	1492
15°	1454	1477	1504
20°	1438	1476	1511
25°	1419	1469	1512
30°	1395	1455	1500
35°	1367	1434	1480
40°	1333	1402	1445
45°	1291	1362	1402
50°	1241	1312	1352
55°	1187	1247	1286
60°	1111	1168	1196
65°	1014	1068	1095
70°	891	937	962
75°	754	792	820
80°	599	656	673
85°	409	491	474



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.8	3.5
10°-20°	299.7	10.1
20°-30°	455.4	15.4
30°-40°	543.4	18.4
40°-50°	548.8	18.6
50°-60°	472.8	16.0
60°-70°	329.6	11.2
70°-80°	163.3	5.5
80°-90°	38.1	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°	858.9	29.1
0°-40°	1402.3	47.5
0°-60°	2423.9	82.0
0°-90°	2955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2955.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1092	1092	1092	1092	1092	
5°	1089	1088	1088	1094	1096	103
15°	1044	1049	1061	1074	1080	294
25°	956	969	990	1010	1018	440
35°	832	846	873	893	901	520
45°	678	693	716	732	737	523
55°	506	517	531	544	548	451
65°	319	325	336	339	344	316
75°	145	147	152	156	158	156
85°	26	32	32	30	31	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1092.4	1092.4	1092.4	1092.4	1092.4
2.5°	1093.5	1091.3	1089.2	1093.5	1095.6
5°	1089.2	1088.2	1088.2	1093.5	1095.6
7.5°	1081.8	1081.8	1085.0	1092.4	1094.5
10°	1072.3	1074.4	1078.6	1089.2	1092.4
12.5°	1059.6	1063.8	1071.2	1083.9	1088.2
15°	1043.7	1049.0	1060.6	1074.4	1079.7
17.5°	1025.7	1033.1	1047.9	1063.8	1069.1
20°	1004.5	1014.1	1031.0	1049.0	1055.4
22.5°	981.3	992.9	1012.0	1031.0	1038.4
25°	955.9	968.6	989.7	1009.8	1018.3
27.5°	929.4	942.1	965.4	985.5	994.0
30°	897.6	912.5	936.8	958.0	965.4
32.5°	866.9	881.8	907.2	926.2	933.6
35°	832.0	845.8	873.3	893.4	900.8
37.5°	795.0	810.8	837.3	855.3	861.6
40°	759.0	772.7	798.1	816.1	822.5
42.5°	718.7	733.6	759.0	774.8	780.1
45°	678.5	693.3	715.6	732.5	736.7
47.5°	637.2	651.0	673.2	687.0	691.2
50°	592.8	605.5	626.6	640.4	645.7
52.5°	550.4	562.1	580.1	591.7	594.9
55°	506.0	516.6	531.4	544.1	548.3
57.5°	458.3	470.0	483.7	494.3	497.5
60°	412.8	422.4	434.0	443.5	444.6
62.5°	368.4	372.6	383.2	391.7	392.7
65°	318.6	325.0	335.6	338.7	344.0
67.5°	273.1	277.3	285.8	290.0	294.3
70°	226.5	229.7	238.2	243.5	244.5
72.5°	186.3	187.4	193.7	197.9	199.0
75°	145.0	147.1	152.4	155.6	157.7
77.5°	110.1	112.2	116.4	118.6	118.6
80°	77.3	80.4	84.7	85.7	86.8
82.5°	49.8	54.0	57.2	58.2	56.1
85°	26.5	31.8	31.8	29.6	30.7
87.5°	9.5	11.6	12.7	13.8	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)