

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: P298122

Luminaire Tested: **D3X-WD-40L92765-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298122
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-40L92765-LD5-UNV-22-T1-W2A-4000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3272.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

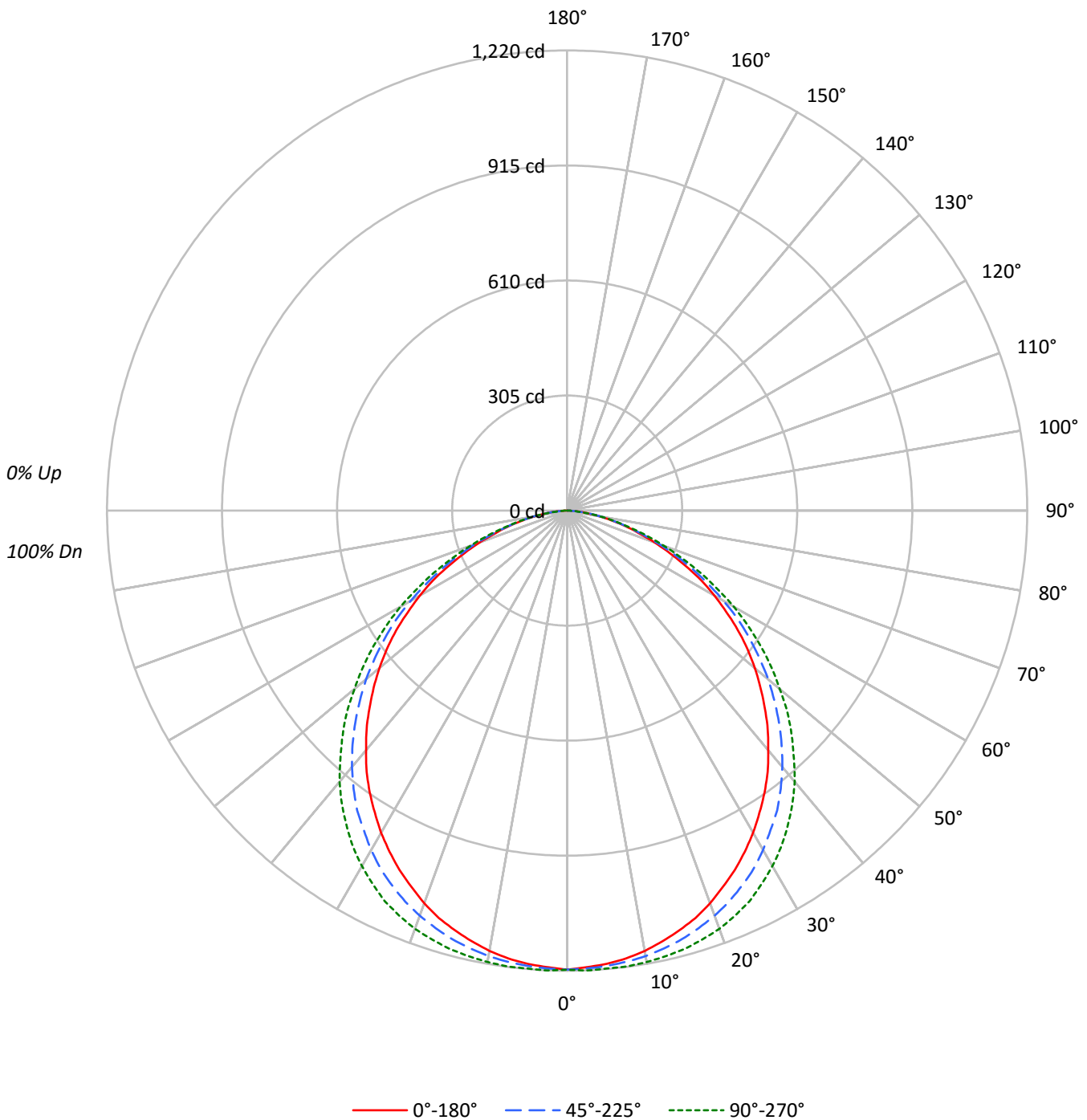
Input Watts (W): 32.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	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	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	31	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°	3275	3275	3275
5°	3259	3273	3292
10°	3239	3277	3321
15°	3209	3278	3351
20°	3172	3273	3379
25°	3122	3258	3394
30°	3065	3229	3382
35°	2997	3188	3350
40°	2914	3118	3297
45°	2822	3023	3204
50°	2721	2912	3082
55°	2594	2768	2942
60°	2427	2578	2749
65°	2198	2332	2478
70°	1940	2037	2148
75°	1667	1703	1776
80°	1337	1365	1392
85°	979	871	871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.3	3.5
10°-20°	332.2	10.2
20°-30°	505.3	15.4
30°-40°	604.6	18.5
40°-50°	611.2	18.7
50°-60°	526.0	16.1
60°-70°	363.1	11.1
70°-80°	176.1	5.4
80°-90°	38.2	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°	952.9	29.1
0°-40°	1557.4	47.6
0°-60°	2694.6	82.4
0°-90°	3272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3272.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1217	1217	1217	1217	1217	
5°	1206	1208	1212	1217	1219	114
15°	1152	1159	1176	1194	1203	325
25°	1051	1064	1097	1131	1143	484
35°	912	928	970	1006	1020	570
45°	742	756	794	828	842	572
55°	553	562	590	616	627	493
65°	345	350	366	382	389	344
75°	160	157	164	169	171	170
85°	32	32	28	28	28	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1217.0	1217.0	1217.0	1217.0	1217.0
2.5°	1211.7	1211.7	1215.2	1218.8	1220.5
5°	1206.4	1208.2	1211.7	1217.0	1218.8
7.5°	1197.6	1199.4	1206.4	1215.2	1218.8
10°	1185.3	1188.8	1199.4	1209.9	1215.2
12.5°	1169.4	1176.5	1188.8	1202.9	1209.9
15°	1151.8	1158.9	1176.5	1194.1	1202.9
17.5°	1132.5	1139.5	1160.6	1183.5	1192.3
20°	1107.8	1118.4	1143.0	1169.4	1180.0
22.5°	1079.6	1093.7	1121.9	1150.1	1162.4
25°	1051.4	1063.8	1097.2	1130.7	1143.0
27.5°	1019.7	1033.8	1070.8	1104.3	1116.6
30°	986.3	1000.4	1039.1	1076.1	1088.4
32.5°	949.3	966.9	1003.9	1042.6	1056.7
35°	912.3	928.2	970.4	1005.6	1019.7
37.5°	873.6	887.6	929.9	966.9	981.0
40°	829.5	845.4	887.6	924.6	938.7
42.5°	787.3	803.1	841.9	877.1	889.4
45°	741.5	755.6	794.3	827.8	841.9
47.5°	695.7	711.5	745.0	778.5	792.5
50°	649.9	662.2	695.7	727.4	736.2
52.5°	602.3	612.9	642.8	671.0	683.3
55°	553.0	561.8	590.0	616.4	627.0
57.5°	500.2	510.7	537.2	556.5	568.9
60°	450.9	456.2	479.0	498.4	510.7
62.5°	401.6	403.3	420.9	440.3	447.3
65°	345.2	350.5	366.3	382.2	389.2
67.5°	294.1	299.4	311.7	324.1	329.3
70°	246.6	246.6	258.9	267.7	273.0
72.5°	199.0	200.8	209.6	214.9	220.2
75°	160.3	156.7	163.8	169.1	170.8
77.5°	119.8	118.0	123.3	125.0	128.6
80°	86.3	86.3	88.1	89.8	89.8
82.5°	56.4	56.4	58.1	54.6	52.8
85°	31.7	31.7	28.2	28.2	28.2
87.5°	10.6	10.6	10.6	12.3	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)