

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: P298127

Luminaire Tested: **D3X-WD-40L92765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298127
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-6500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3516.0 lumens
Efficiency: N/A
Efficacy: 104.6 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

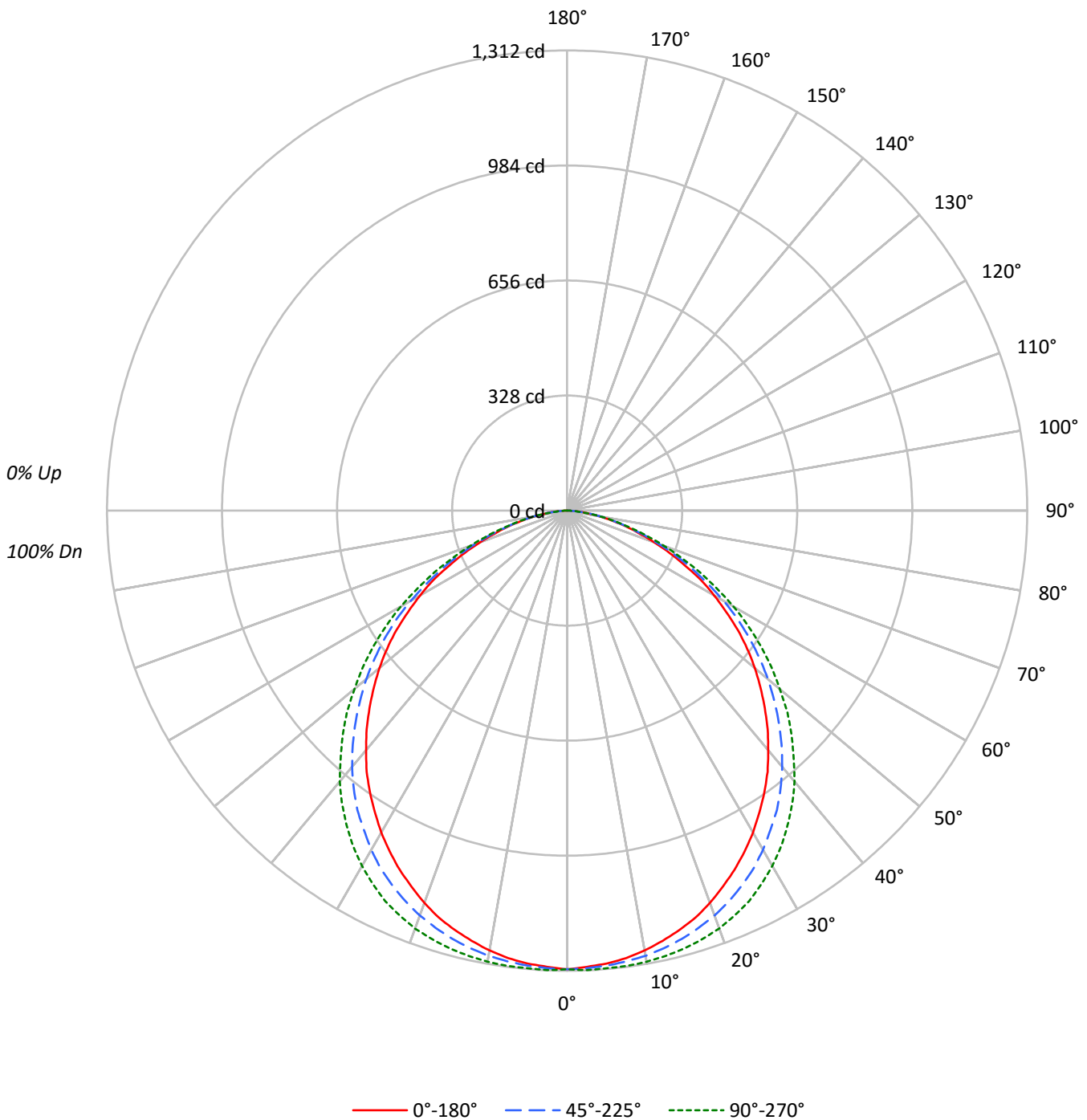
Input Watts (W): 33.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P298127

CATALOG NUMBER: D3X-WD-40L92765-LD5-UNV-22-T1-W2A-6500K

Luminous Intensity Polar Plot





TEST NUMBER: P298127

CATALOG NUMBER: D3X-WD-40L92765-LD5-UNV-22-T1-W2A-6500K

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°	3519	3519	3519
5°	3502	3517	3538
10°	3480	3522	3568
15°	3448	3522	3601
20°	3409	3517	3631
25°	3355	3501	3647
30°	3293	3470	3634
35°	3220	3426	3600
40°	3131	3351	3543
45°	3032	3248	3443
50°	2923	3130	3312
55°	2788	2974	3161
60°	2608	2771	2954
65°	2362	2506	2663
70°	2085	2189	2308
75°	1790	1830	1909
80°	1437	1466	1495
85°	1053	936	936



TEST NUMBER: P298127

CATALOG NUMBER: D3X-WD-40L92765-LD5-UNV-22-T1-W2A-6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.9	3.5
10°-20°	357.0	10.2
20°-30°	543.0	15.4
30°-40°	649.7	18.5
40°-50°	656.8	18.7
50°-60°	565.2	16.1
60°-70°	390.2	11.1
70°-80°	189.2	5.4
80°-90°	41.1	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°	1023.9	29.1
0°-40°	1673.6	47.6
0°-60°	2895.5	82.4
0°-90°	3516.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3516.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1308	1308	1308	1308	1308	
5°	1296	1298	1302	1308	1310	123
15°	1238	1245	1264	1283	1293	349
25°	1130	1143	1179	1215	1228	520
35°	980	997	1043	1081	1096	613
45°	797	812	854	890	905	615
55°	594	604	634	662	674	530
65°	371	377	394	411	418	369
75°	172	168	176	182	184	183
85°	34	34	30	30	30	41
90°	0	0	0	0	0	



TEST NUMBER: P298127

CATALOG NUMBER: D3X-WD-40L92765-LD5-UNV-22-T1-W2A-6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1307.7	1307.7	1307.7	1307.7	1307.7
2.5°	1302.1	1302.1	1305.9	1309.6	1311.5
5°	1296.4	1298.3	1302.1	1307.7	1309.6
7.5°	1286.9	1288.8	1296.4	1305.9	1309.6
10°	1273.7	1277.5	1288.8	1300.2	1305.9
12.5°	1256.6	1264.2	1277.5	1292.6	1300.2
15°	1237.7	1245.3	1264.2	1283.1	1292.6
17.5°	1216.9	1224.5	1247.2	1271.8	1281.2
20°	1190.4	1201.8	1228.3	1256.6	1268.0
22.5°	1160.1	1175.3	1205.5	1235.8	1249.1
25°	1129.8	1143.1	1179.1	1215.0	1228.3
27.5°	1095.8	1110.9	1150.7	1186.6	1199.9
30°	1059.8	1075.0	1116.6	1156.3	1169.6
32.5°	1020.1	1039.0	1078.7	1120.4	1135.5
35°	980.3	997.4	1042.8	1080.6	1095.8
37.5°	938.7	953.8	999.3	1039.0	1054.1
40°	891.4	908.4	953.8	993.6	1008.7
42.5°	846.0	863.0	904.6	942.5	955.7
45°	796.8	811.9	853.5	889.5	904.6
47.5°	747.6	764.6	800.5	836.5	851.6
50°	698.3	711.6	747.6	781.6	791.1
52.5°	647.2	658.6	690.8	721.1	734.3
55°	594.3	603.7	634.0	662.4	673.7
57.5°	537.5	548.8	577.2	598.0	611.3
60°	484.5	490.2	514.8	535.6	548.8
62.5°	431.5	433.4	452.3	473.1	480.7
65°	370.9	376.6	393.6	410.7	418.3
67.5°	316.1	321.7	335.0	348.2	353.9
70°	265.0	265.0	278.2	287.7	293.3
72.5°	213.9	215.7	225.2	230.9	236.6
75°	172.2	168.4	176.0	181.7	183.6
77.5°	128.7	126.8	132.5	134.4	138.2
80°	92.7	92.7	94.6	96.5	96.5
82.5°	60.6	60.6	62.5	58.7	56.8
85°	34.1	34.1	30.3	30.3	30.3
87.5°	11.4	11.4	11.4	13.2	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)