

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: P298297

Luminaire Tested: **D3X-WG-44L92765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-44L92765-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3352.0 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

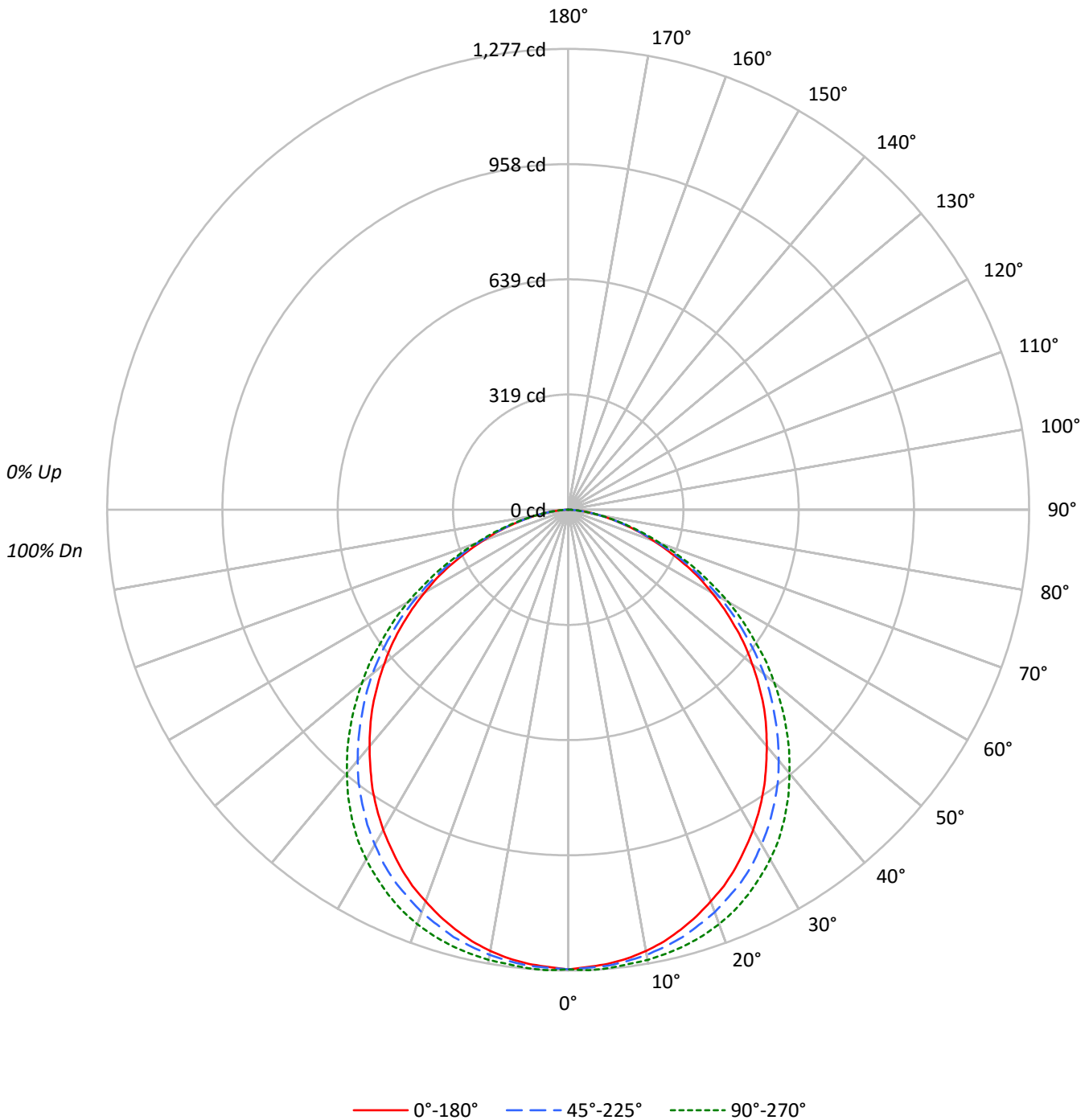
Input Watts (W): 35.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P298297

CATALOG NUMBER: D3X-WG-44L92765-LD5-UNV-22-T1-W2A-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P298297

CATALOG NUMBER: D3X-WG-44L92765-LD5-UNV-22-T1-W2A-3000K

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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72					72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28					28			
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3428	3428	3428
5°	3412	3427	3446
10°	3393	3422	3461
15°	3356	3415	3484
20°	3306	3398	3500
25°	3254	3375	3497
30°	3184	3328	3477
35°	3103	3267	3431
40°	3006	3187	3350
45°	2911	3081	3250
50°	2786	2964	3121
55°	2646	2796	2946
60°	2470	2604	2758
65°	2254	2357	2492
70°	1974	2057	2142
75°	1683	1721	1795
80°	1351	1379	1406
85°	988	932	880



TEST NUMBER: P298297

CATALOG NUMBER: D3X-WG-44L92765-LD5-UNV-22-T1-W2A-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	3.6
10°-20°	346.1	10.3
20°-30°	523.2	15.6
30°-40°	621.4	18.5
40°-50°	623.8	18.6
50°-60°	532.9	15.9
60°-70°	367.1	11.0
70°-80°	178.0	5.3
80°-90°	39.0	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°	989.8	29.5
0°-40°	1611.2	48.1
0°-60°	2767.9	82.6
0°-90°	3352.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3352.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1274	1274	1274	1274	1274	
5°	1263	1263	1268	1272	1276	120
15°	1204	1210	1226	1242	1251	340
25°	1096	1105	1137	1167	1178	504
35°	945	959	994	1032	1044	590
45°	765	776	810	843	854	589
55°	564	573	596	621	628	504
65°	354	354	370	386	391	351
75°	162	158	166	169	173	174
85°	32	32	30	28	28	39
90°	0	0	0	0	0	



TEST NUMBER: P298297

CATALOG NUMBER: D3X-WG-44L92765-LD5-UNV-22-T1-W2A-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1273.8	1273.8	1273.8	1273.8	1273.8
2.5°	1268.5	1268.5	1270.3	1275.6	1277.4
5°	1263.2	1263.2	1268.5	1272.1	1275.6
7.5°	1254.3	1256.0	1261.4	1268.5	1270.3
10°	1241.8	1243.6	1252.5	1261.4	1266.7
12.5°	1225.8	1229.4	1240.0	1254.3	1259.6
15°	1204.5	1209.8	1225.8	1241.8	1250.7
17.5°	1181.3	1188.4	1206.2	1229.4	1238.3
20°	1154.6	1163.5	1186.7	1211.6	1222.2
22.5°	1128.0	1135.1	1161.8	1190.2	1202.7
25°	1095.9	1104.8	1136.8	1167.1	1177.8
27.5°	1060.3	1072.8	1106.6	1138.6	1149.3
30°	1024.8	1035.4	1071.0	1106.6	1119.1
32.5°	985.6	996.3	1035.4	1071.0	1085.3
35°	944.7	958.9	994.5	1031.9	1044.3
37.5°	900.2	916.2	953.6	985.6	1001.6
40°	855.7	870.0	907.3	941.1	953.6
42.5°	811.3	823.7	859.3	894.9	905.6
45°	765.0	775.7	809.5	843.3	854.0
47.5°	715.2	727.7	759.7	788.1	800.6
50°	665.4	677.8	708.1	734.8	745.4
52.5°	617.3	624.5	652.9	677.8	690.3
55°	564.0	572.9	596.0	620.9	628.0
57.5°	512.4	517.7	540.8	562.2	572.9
60°	459.0	462.6	483.9	499.9	512.4
62.5°	409.2	409.2	425.2	443.0	450.1
65°	354.0	354.0	370.1	386.1	391.4
67.5°	300.7	304.2	314.9	327.4	330.9
70°	250.9	250.9	261.5	270.4	272.2
72.5°	206.4	204.6	209.9	217.1	220.6
75°	161.9	158.3	165.5	169.0	172.6
77.5°	122.8	121.0	124.5	128.1	128.1
80°	87.2	85.4	89.0	89.0	90.7
82.5°	56.9	58.7	58.7	56.9	55.2
85°	32.0	32.0	30.2	28.5	28.5
87.5°	10.7	10.7	10.7	12.5	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)