

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: P298454

Luminaire Tested: **D3X-WO-35L92765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-35L92765-LD5-UNV-22-T1-W2A-6500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3360.0 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

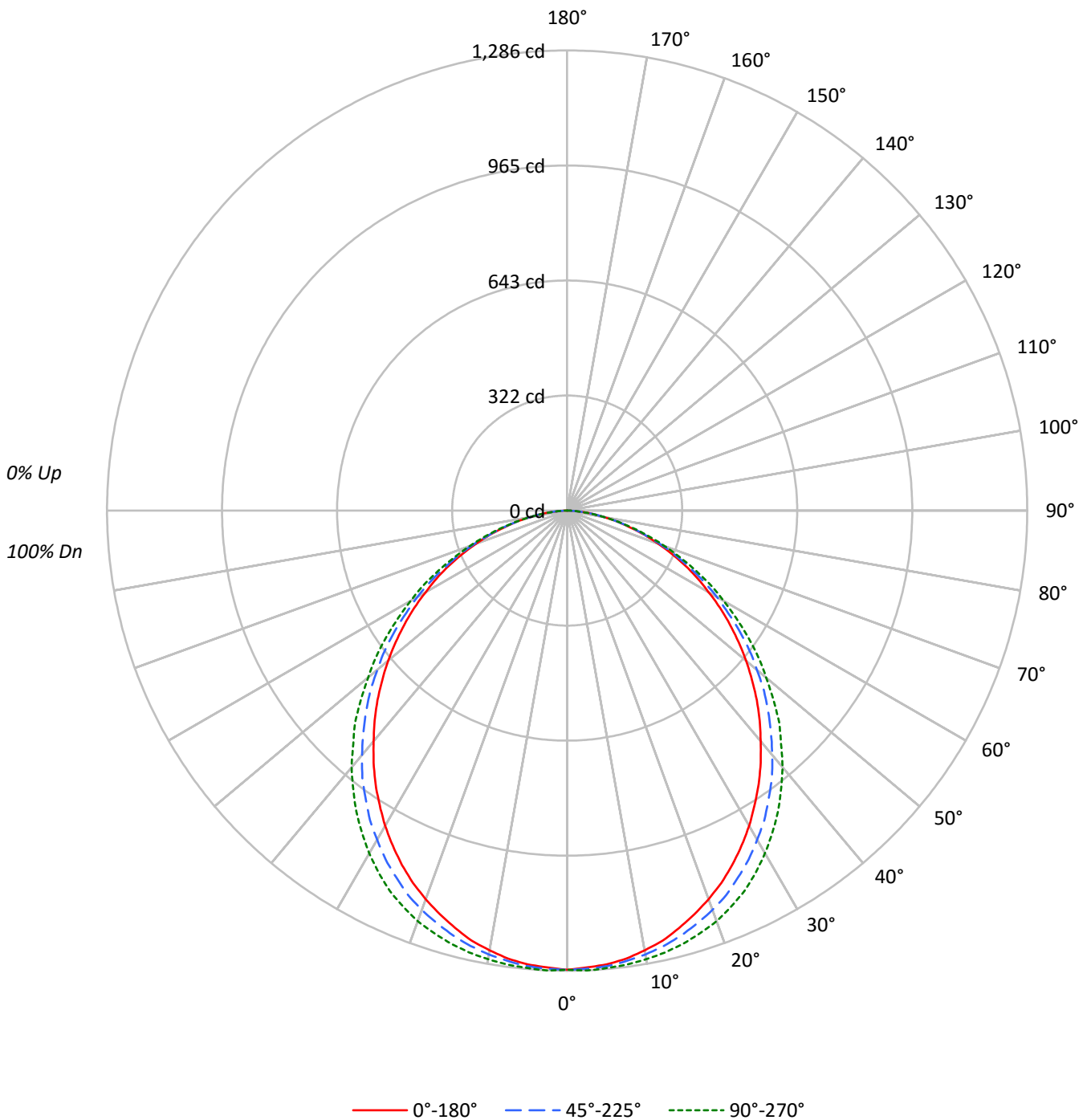
Input Watts (W): 29.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P298454

CATALOG NUMBER: D3X-WO-35L92765-LD5-UNV-22-T1-W2A-6500K

Luminous Intensity Polar Plot





TEST NUMBER: P298454

CATALOG NUMBER: D3X-WO-35L92765-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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	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	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3453	3453	3453
5°	3439	3452	3466
10°	3410	3442	3479
15°	3365	3426	3491
20°	3310	3401	3497
25°	3244	3358	3482
30°	3161	3301	3436
35°	3067	3226	3374
40°	2956	3132	3291
45°	2852	3024	3189
50°	2732	2900	3040
55°	2606	2763	2896
60°	2458	2602	2719
65°	2322	2408	2525
70°	2132	2198	2277
75°	1896	1948	2000
80°	1633	1607	1607
85°	1241	1136	1034



TEST NUMBER: P298454

CATALOG NUMBER: D3X-WO-35L92765-LD5-UNV-22-T1-W2A-6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.4	3.6
10°-20°	346.9	10.3
20°-30°	520.9	15.5
30°-40°	613.1	18.2
40°-50°	611.5	18.2
50°-60°	524.8	15.6
60°-70°	375.8	11.2
70°-80°	199.0	5.9
80°-90°	46.5	1.4
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°	989.2	29.4
0°-40°	1602.3	47.7
0°-60°	2738.6	81.5
0°-90°	3360.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3360.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1283	1283	1283	1283	1283	
5°	1273	1273	1278	1282	1283	121
15°	1208	1213	1230	1246	1253	341
25°	1092	1102	1131	1159	1173	503
35°	934	945	982	1016	1027	583
45°	750	761	795	823	838	578
55°	555	564	589	609	617	496
65°	365	366	378	393	396	360
75°	182	182	187	191	192	196
85°	40	38	37	34	34	48
90°	0	0	0	0	0	



TEST NUMBER: P298454

CATALOG NUMBER: D3X-WO-35L92765-LD5-UNV-22-T1-W2A-6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1283.2	1283.2	1283.2	1283.2	1283.2
2.5°	1278.1	1278.1	1281.5	1284.8	1286.5
5°	1273.1	1273.1	1278.1	1281.5	1283.2
7.5°	1263.1	1263.1	1269.8	1276.5	1279.8
10°	1248.0	1251.4	1259.7	1269.8	1273.1
12.5°	1231.3	1234.6	1246.3	1259.7	1264.8
15°	1207.9	1212.9	1229.6	1246.3	1253.0
17.5°	1182.8	1189.5	1209.5	1229.6	1238.0
20°	1156.0	1162.7	1187.8	1211.2	1221.3
22.5°	1125.9	1134.3	1162.7	1187.8	1197.8
25°	1092.4	1102.5	1130.9	1159.4	1172.7
27.5°	1055.6	1067.3	1099.1	1129.2	1141.0
30°	1017.2	1030.5	1062.3	1094.1	1105.8
32.5°	975.3	987.0	1025.5	1055.6	1067.3
35°	933.5	945.2	982.0	1015.5	1027.2
37.5°	888.3	903.4	940.2	970.3	982.0
40°	841.5	856.6	891.7	926.8	936.9
42.5°	796.3	809.7	843.2	875.0	885.0
45°	749.5	761.2	794.7	823.1	838.1
47.5°	701.0	712.7	746.1	772.9	781.3
50°	652.5	664.2	692.6	716.0	726.1
52.5°	603.9	615.6	642.4	664.2	674.2
55°	555.4	563.8	588.9	609.0	617.3
57.5°	506.9	513.6	533.7	555.4	560.4
60°	456.7	465.1	483.5	498.5	505.2
62.5°	411.5	414.9	431.6	445.0	453.4
65°	364.7	366.4	378.1	393.1	396.5
67.5°	316.2	317.9	329.6	337.9	341.3
70°	271.0	271.0	279.4	286.1	289.4
72.5°	227.5	225.8	230.9	237.6	240.9
75°	182.4	182.4	187.4	190.7	192.4
77.5°	143.9	140.5	143.9	147.2	147.2
80°	105.4	103.7	103.7	105.4	103.7
82.5°	71.9	70.3	71.9	68.6	66.9
85°	40.2	38.5	36.8	33.5	33.5
87.5°	13.4	11.7	11.7	13.4	13.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)