

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: P298363

Luminaire Tested: **D3X-WO-35L82765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298363
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-35L82765-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3342.0 lumens
Efficiency: N/A
Efficacy: 120.7 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

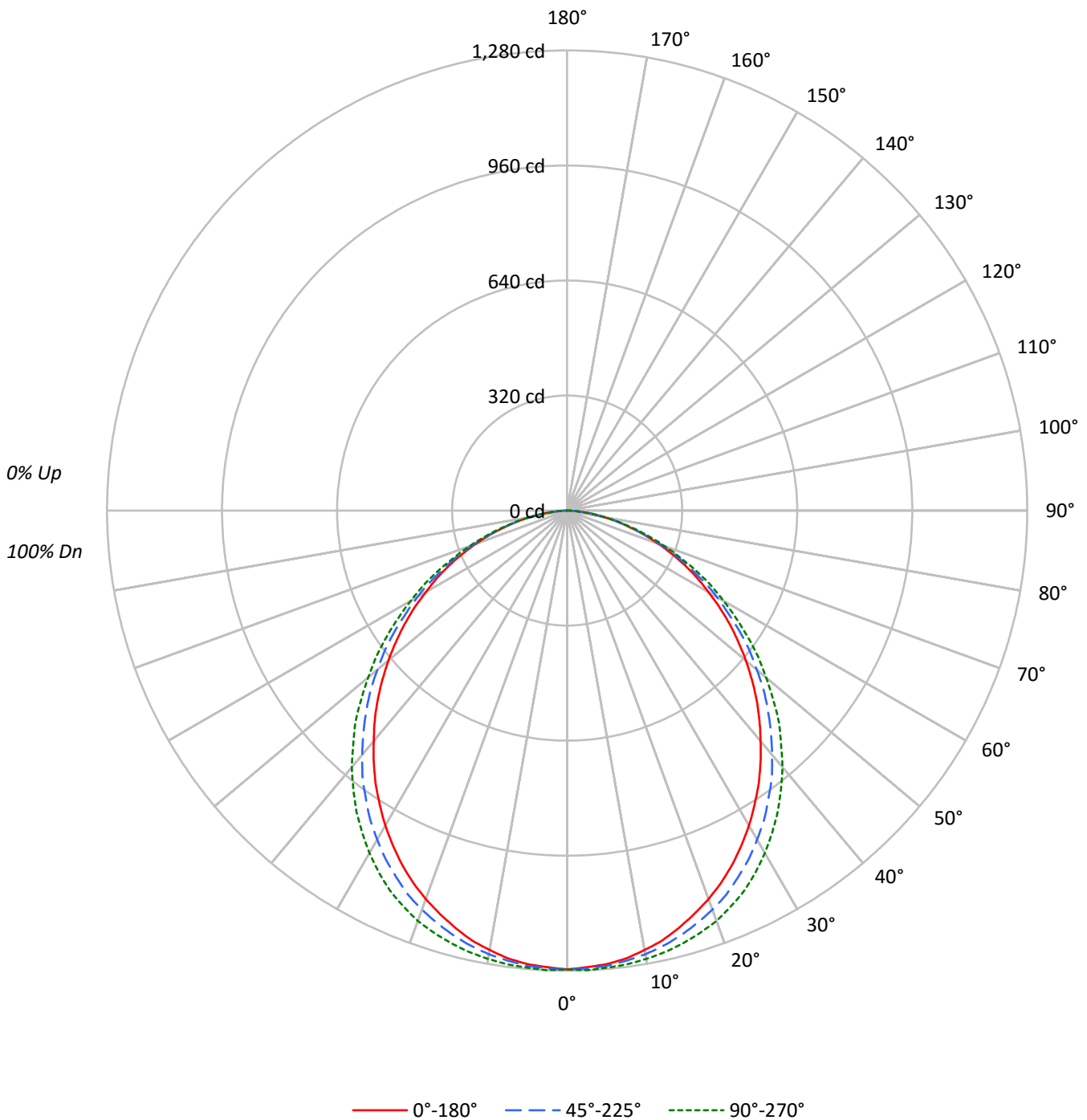
Input Watts (W): 27.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3434	3434	3434
5°	3421	3434	3448
10°	3392	3424	3460
15°	3347	3407	3472
20°	3293	3383	3479
25°	3226	3340	3464
30°	3144	3283	3418
35°	3050	3209	3356
40°	2940	3116	3273
45°	2837	3008	3173
50°	2717	2884	3023
55°	2592	2748	2881
60°	2445	2588	2704
65°	2309	2395	2511
70°	2121	2186	2265
75°	1886	1938	1990
80°	1624	1599	1599
85°	1232	1130	1028



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	3.6
10°-20°	345.1	10.3
20°-30°	518.1	15.5
30°-40°	609.8	18.2
40°-50°	608.2	18.2
50°-60°	521.9	15.6
60°-70°	373.8	11.2
70°-80°	198.0	5.9
80°-90°	46.3	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°	984.0	29.4
0°-40°	1593.7	47.7
0°-60°	2723.9	81.5
0°-90°	3342.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3342.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1276	1276	1276	1276	1276	
5°	1266	1266	1271	1275	1276	120
15°	1201	1206	1223	1240	1246	339
25°	1087	1097	1125	1153	1166	500
35°	928	940	977	1010	1022	580
45°	746	757	790	819	834	575
55°	552	561	586	606	614	494
65°	363	364	376	391	394	358
75°	181	181	186	190	191	195
85°	40	38	37	33	33	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1276.3	1276.3	1276.3	1276.3	1276.3
2.5°	1271.3	1271.3	1274.6	1277.9	1279.6
5°	1266.3	1266.3	1271.3	1274.6	1276.3
7.5°	1256.3	1256.3	1263.0	1269.6	1273.0
10°	1241.3	1244.7	1253.0	1263.0	1266.3
12.5°	1224.7	1228.0	1239.7	1253.0	1258.0
15°	1201.4	1206.4	1223.0	1239.7	1246.3
17.5°	1176.4	1183.1	1203.1	1223.0	1231.4
20°	1149.8	1156.5	1181.4	1204.7	1214.7
22.5°	1119.9	1128.2	1156.5	1181.4	1191.4
25°	1086.6	1096.6	1124.9	1153.1	1166.5
27.5°	1050.0	1061.6	1093.2	1123.2	1134.8
30°	1011.7	1025.0	1056.6	1088.2	1099.9
32.5°	970.1	981.8	1020.0	1050.0	1061.6
35°	928.5	940.2	976.8	1010.0	1021.7
37.5°	883.6	898.6	935.2	965.1	976.8
40°	837.0	852.0	886.9	921.8	931.8
42.5°	792.1	805.4	838.7	870.3	880.3
45°	745.5	757.1	790.4	818.7	833.7
47.5°	697.2	708.9	742.1	768.8	777.1
50°	649.0	660.6	688.9	712.2	722.2
52.5°	600.7	612.3	639.0	660.6	670.6
55°	552.4	560.8	585.7	605.7	614.0
57.5°	504.2	510.8	530.8	552.4	557.4
60°	454.3	462.6	480.9	495.9	502.5
62.5°	409.3	412.7	429.3	442.6	450.9
65°	362.7	364.4	376.1	391.0	394.4
67.5°	314.5	316.2	327.8	336.1	339.5
70°	269.6	269.6	277.9	284.5	287.9
72.5°	226.3	224.6	229.6	236.3	239.6
75°	181.4	181.4	186.4	189.7	191.4
77.5°	143.1	139.8	143.1	146.4	146.4
80°	104.8	103.2	103.2	104.8	103.2
82.5°	71.6	69.9	71.6	68.2	66.6
85°	39.9	38.3	36.6	33.3	33.3
87.5°	13.3	11.6	11.6	13.3	13.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)