

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: P297957

Luminaire Tested: **D3X-WO-35L92765-LD5-UNV-14-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)
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-14-T1-W2A-5500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3346.0 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

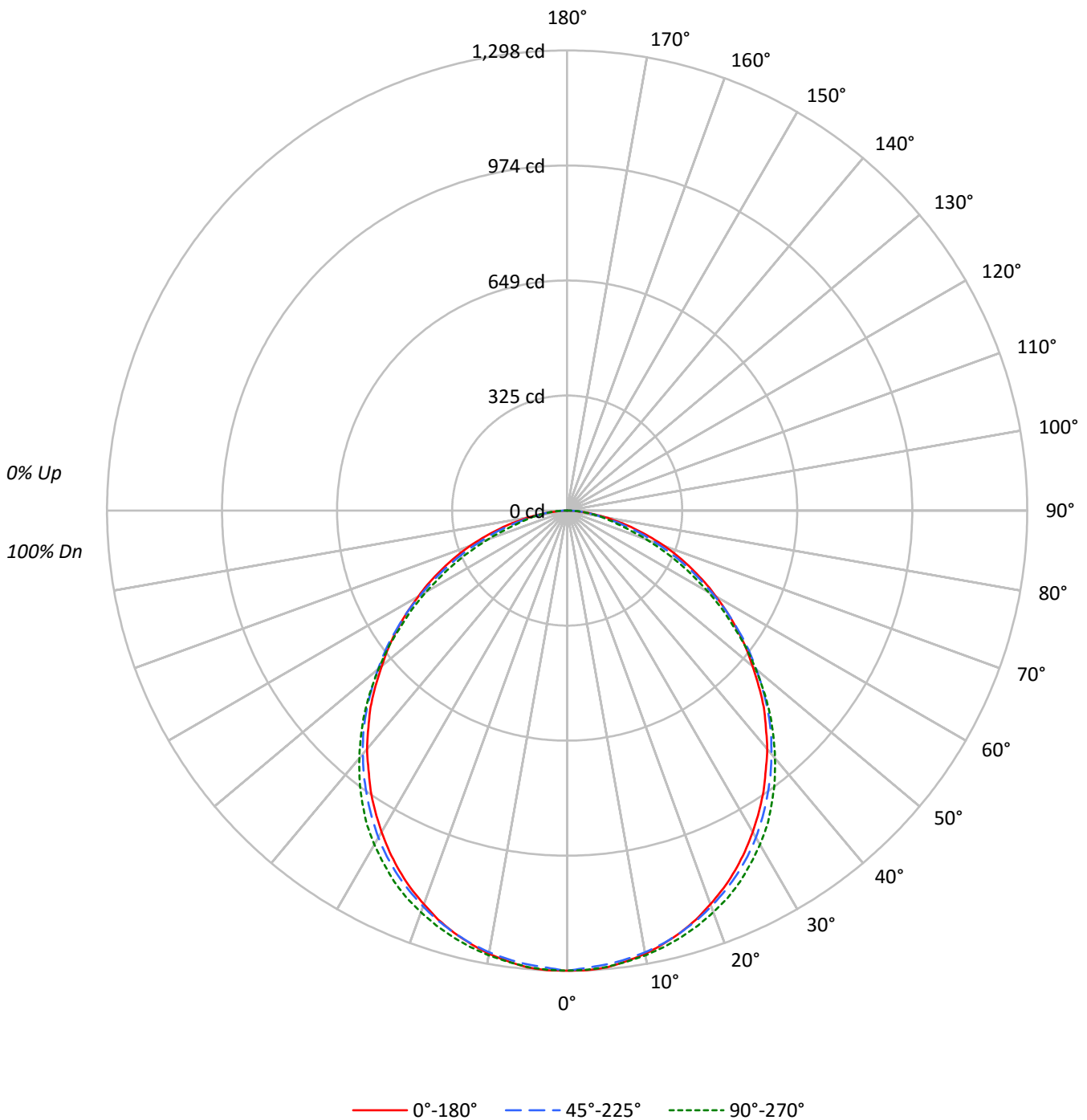
Input Watts (W): 34.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	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	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3492	3492	3492
5°	3494	3471	3490
10°	3469	3457	3480
15°	3434	3434	3469
20°	3383	3404	3452
25°	3327	3365	3428
30°	3252	3310	3380
35°	3173	3234	3308
40°	3084	3149	3204
45°	2985	3050	3077
50°	2856	2915	2904
55°	2748	2768	2695
60°	2611	2573	2473
65°	2465	2366	2204
70°	2288	2098	1864
75°	2035	1799	1534
80°	1692	1472	1429
85°	1226	1315	1315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	3.7
10°-20°	348.9	10.4
20°-30°	522.9	15.6
30°-40°	616.1	18.4
40°-50°	614.4	18.4
50°-60°	522.6	15.6
60°-70°	364.8	10.9
70°-80°	185.4	5.5
80°-90°	48.4	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°	994.3	29.7
0°-40°	1610.3	48.1
0°-60°	2747.4	82.1
0°-90°	3346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3346.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1298	1298	1298	1298	1298	
5°	1294	1291	1285	1292	1292	123
15°	1233	1233	1233	1244	1245	347
25°	1120	1122	1133	1150	1154	516
35°	966	967	984	1004	1007	603
45°	784	787	801	807	808	603
55°	586	586	590	582	574	523
65°	387	382	372	352	346	384
75°	196	189	173	152	148	208
85°	40	41	43	43	43	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1297.8	1297.8	1297.8	1297.8	1297.8
2.5°	1297.8	1296.4	1290.7	1296.4	1296.4
5°	1293.5	1290.7	1285.0	1292.1	1292.1
7.5°	1282.2	1280.8	1276.5	1283.6	1283.6
10°	1269.4	1268.0	1265.2	1273.7	1273.7
12.5°	1252.4	1252.4	1251.0	1259.5	1260.9
15°	1232.6	1232.6	1232.6	1243.9	1245.3
17.5°	1209.9	1208.4	1212.7	1225.5	1226.9
20°	1181.5	1182.9	1188.6	1202.8	1205.6
22.5°	1153.1	1154.5	1161.6	1178.7	1182.9
25°	1120.5	1121.9	1133.3	1150.3	1154.5
27.5°	1085.0	1087.9	1100.6	1119.1	1121.9
30°	1046.7	1049.6	1065.2	1083.6	1087.9
32.5°	1007.0	1011.3	1025.5	1045.3	1051.0
35°	965.9	967.3	984.3	1004.2	1007.0
37.5°	920.5	924.8	941.8	958.8	961.6
40°	878.0	880.8	896.4	910.6	912.0
42.5°	829.7	834.0	851.0	860.9	860.9
45°	784.4	787.2	801.4	807.0	808.5
47.5°	733.3	736.1	748.9	751.7	751.7
50°	682.2	689.3	696.4	696.4	693.6
52.5°	635.4	636.8	645.4	639.7	636.8
55°	585.8	585.8	590.0	581.5	574.4
57.5°	536.1	536.1	536.1	524.8	519.1
60°	485.1	483.7	478.0	463.8	459.5
62.5°	436.9	432.6	424.1	409.9	401.4
65°	387.2	381.5	371.6	351.8	346.1
67.5°	340.4	330.5	319.1	300.7	290.8
70°	290.8	282.3	266.7	245.4	236.9
72.5°	242.5	234.0	221.3	200.0	187.2
75°	195.7	188.6	173.0	151.8	147.5
77.5°	150.3	146.1	130.5	120.6	119.1
80°	109.2	107.8	95.0	92.2	92.2
82.5°	72.3	70.9	66.7	66.7	65.2
85°	39.7	41.1	42.6	42.6	42.6
87.5°	14.2	17.0	19.9	19.9	19.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)