

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: P297955

Luminaire Tested: **D3X-WO-35L92765-LD5-UNV-14-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297955
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-4500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3230.0 lumens
Efficiency: N/A
Efficacy: 94.4 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

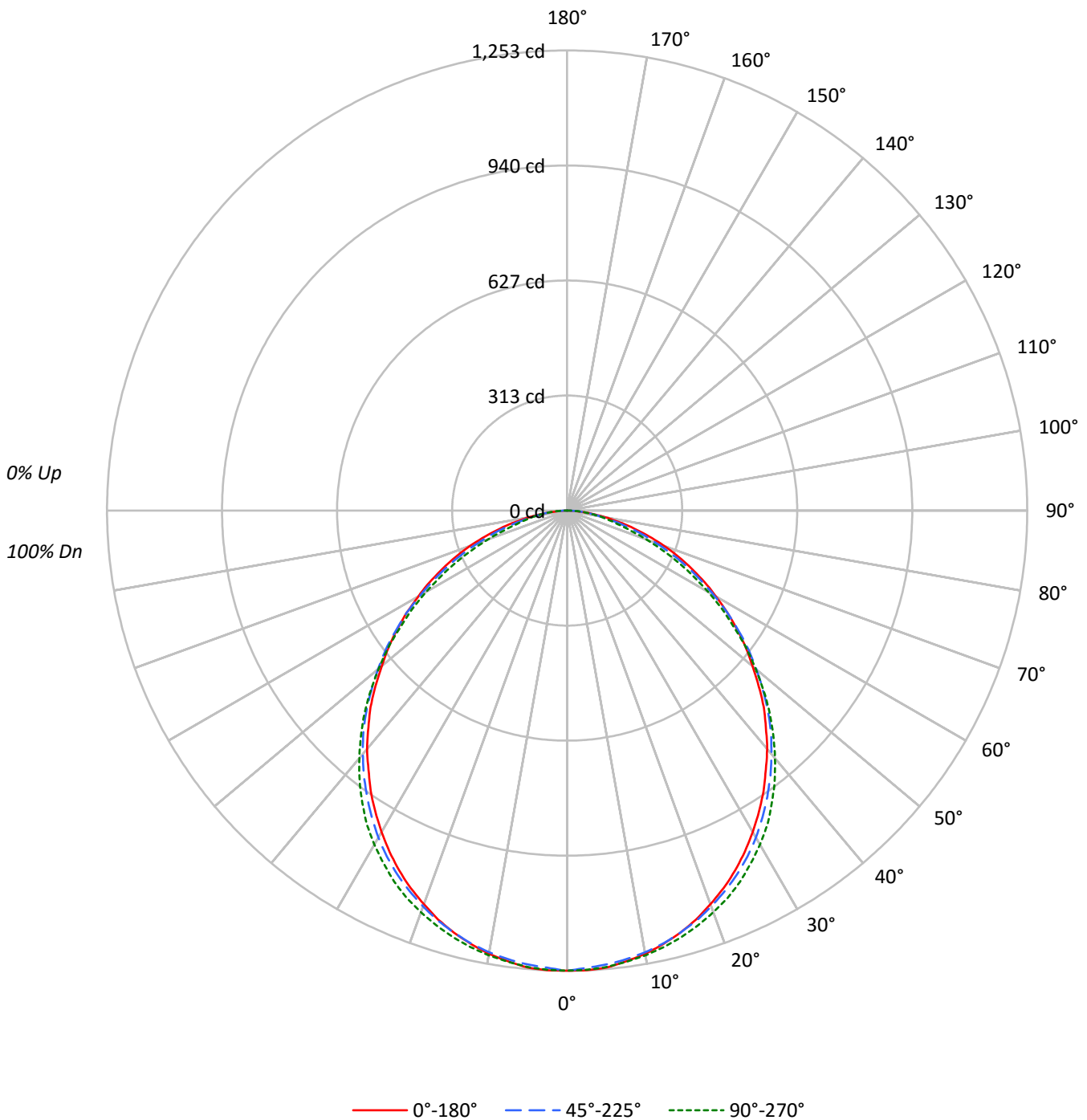
Input Watts (W): 34.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3371	3371	3371
5°	3373	3351	3369
10°	3348	3337	3360
15°	3315	3315	3349
20°	3266	3286	3333
25°	3212	3248	3309
30°	3140	3195	3263
35°	3063	3121	3193
40°	2977	3040	3093
45°	2882	2944	2970
50°	2757	2815	2803
55°	2653	2672	2601
60°	2520	2483	2387
65°	2380	2284	2127
70°	2209	2025	1799
75°	1964	1736	1481
80°	1633	1421	1379
85°	1183	1269	1269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.2	3.7
10°-20°	336.8	10.4
20°-30°	504.8	15.6
30°-40°	594.7	18.4
40°-50°	593.1	18.4
50°-60°	504.5	15.6
60°-70°	352.1	10.9
70°-80°	179.0	5.5
80°-90°	46.8	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°	959.8	29.7
0°-40°	1554.5	48.1
0°-60°	2652.2	82.1
0°-90°	3230.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3230.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1253	1253	1253	1253	1253	
5°	1249	1246	1240	1247	1247	118
15°	1190	1190	1190	1201	1202	335
25°	1082	1083	1094	1110	1114	498
35°	932	934	950	969	972	583
45°	757	760	774	779	780	583
55°	566	566	570	561	554	505
65°	374	368	359	340	334	371
75°	189	182	167	146	142	201
85°	38	40	41	41	41	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1252.8	1252.8	1252.8	1252.8	1252.8
2.5°	1252.8	1251.4	1246.0	1251.4	1251.4
5°	1248.7	1246.0	1240.5	1247.3	1247.3
7.5°	1237.7	1236.4	1232.3	1239.1	1239.1
10°	1225.4	1224.1	1221.3	1229.5	1229.5
12.5°	1209.0	1209.0	1207.6	1215.8	1217.2
15°	1189.8	1189.8	1189.8	1200.8	1202.1
17.5°	1167.9	1166.5	1170.7	1183.0	1184.3
20°	1140.5	1141.9	1147.4	1161.1	1163.8
22.5°	1113.1	1114.5	1121.4	1137.8	1141.9
25°	1081.7	1083.0	1094.0	1110.4	1114.5
27.5°	1047.4	1050.2	1062.5	1080.3	1083.0
30°	1010.5	1013.2	1028.3	1046.1	1050.2
32.5°	972.1	976.2	989.9	1009.1	1014.6
35°	932.4	933.8	950.2	969.4	972.1
37.5°	888.6	892.7	909.1	925.6	928.3
40°	847.5	850.3	865.3	879.0	880.4
42.5°	801.0	805.1	821.5	831.1	831.1
45°	757.2	759.9	773.6	779.1	780.4
47.5°	707.9	710.6	722.9	725.7	725.7
50°	658.6	665.4	672.3	672.3	669.5
52.5°	613.4	614.8	623.0	617.5	614.8
55°	565.5	565.5	569.6	561.4	554.5
57.5°	517.6	517.6	517.6	506.6	501.1
60°	468.3	466.9	461.4	447.7	443.6
62.5°	421.7	417.6	409.4	395.7	387.5
65°	373.8	368.3	358.7	339.6	334.1
67.5°	328.6	319.0	308.1	290.3	280.7
70°	280.7	272.5	257.4	236.9	228.7
72.5°	234.1	225.9	213.6	193.1	180.7
75°	188.9	182.1	167.0	146.5	142.4
77.5°	145.1	141.0	126.0	116.4	115.0
80°	105.4	104.1	91.7	89.0	89.0
82.5°	69.8	68.5	64.4	64.4	63.0
85°	38.3	39.7	41.1	41.1	41.1
87.5°	13.7	16.4	19.2	19.2	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)