

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: P297676

Luminaire Tested: **D3X-WD-35L92765-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-35L92765-LD5-UNV-14-T1-W2A-5000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3129.0 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

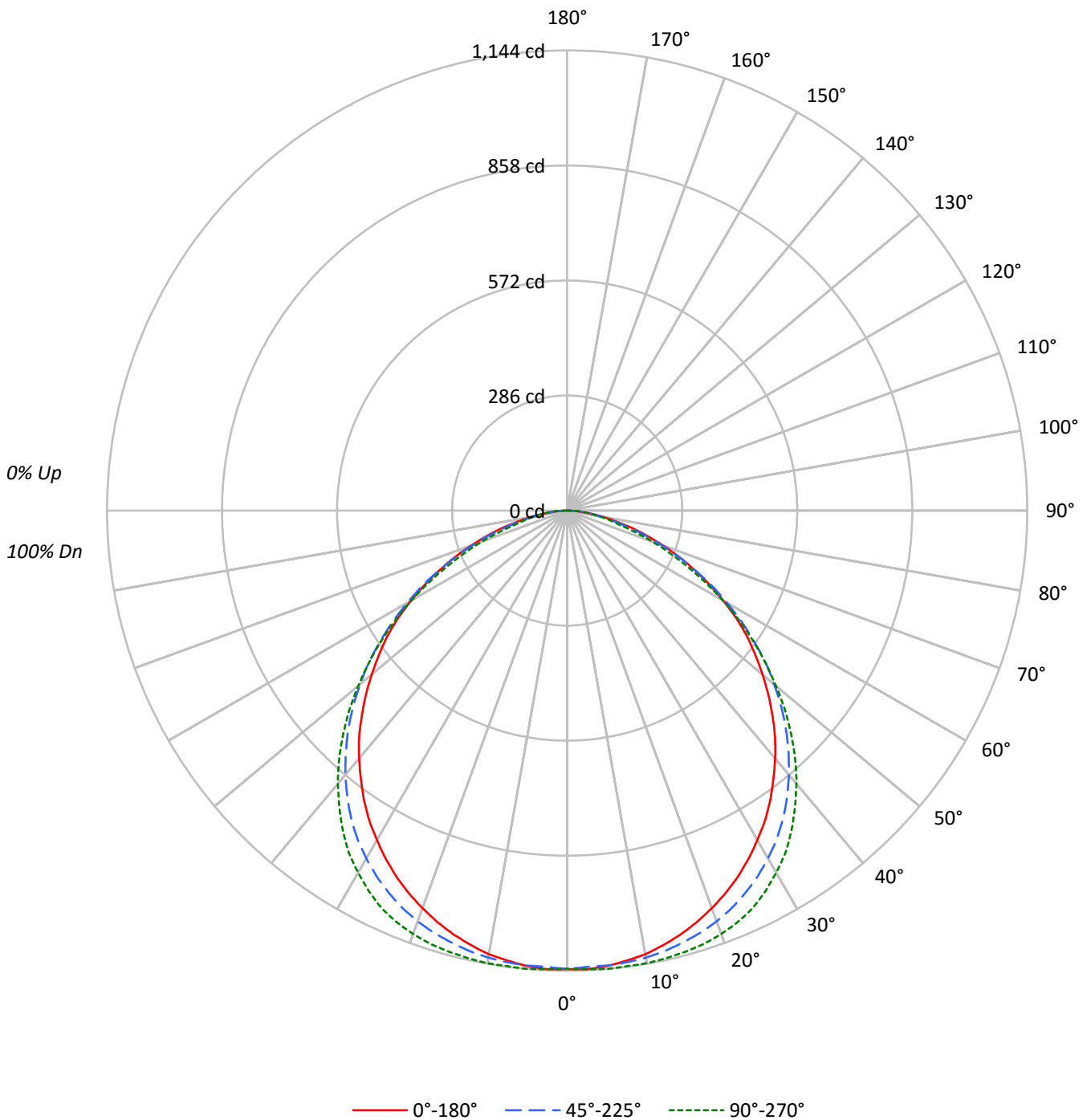
Input Watts (W): 34.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	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	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	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	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3067	3067	3067
5°	3071	3067	3090
10°	3061	3084	3122
15°	3039	3097	3163
20°	3012	3112	3208
25°	2982	3114	3239
30°	2938	3103	3229
35°	2891	3074	3193
40°	2826	3013	3116
45°	2748	2929	2998
50°	2655	2812	2836
55°	2562	2661	2647
60°	2413	2465	2406
65°	2223	2232	2108
70°	1989	1945	1769
75°	1728	1612	1365
80°	1385	1255	1255
85°	991	1164	1207



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.4	3.5
10°-20°	314.6	10.1
20°-30°	483.1	15.4
30°-40°	581.8	18.6
40°-50°	587.9	18.8
50°-60°	501.5	16.0
60°-70°	343.3	11.0
70°-80°	165.7	5.3
80°-90°	42.7	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°	906.1	29.0
0°-40°	1487.9	47.6
0°-60°	2577.3	82.4
0°-90°	3129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3129.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1140	1140	1140	1140	1140	
5°	1137	1137	1136	1142	1144	108
15°	1091	1099	1112	1131	1136	308
25°	1004	1020	1049	1080	1091	462
35°	880	900	936	965	972	550
45°	722	742	770	788	788	557
55°	546	556	567	570	564	486
65°	349	353	351	338	331	346
75°	166	166	155	137	131	176
85°	32	35	38	39	39	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1139.7	1139.7	1139.7	1139.7	1139.7
2.5°	1141.1	1139.7	1135.5	1141.1	1141.1
5°	1136.9	1136.9	1135.5	1142.5	1143.9
7.5°	1128.6	1131.3	1132.7	1141.1	1142.5
10°	1120.2	1123.0	1128.6	1139.7	1142.5
12.5°	1106.2	1111.8	1121.6	1136.9	1139.7
15°	1090.8	1099.2	1111.8	1131.3	1135.5
17.5°	1072.7	1083.9	1100.6	1123.0	1129.9
20°	1051.7	1064.3	1086.7	1111.8	1120.2
22.5°	1029.4	1043.4	1069.9	1099.2	1107.6
25°	1004.2	1019.6	1048.9	1079.7	1090.8
27.5°	976.3	993.1	1025.2	1057.3	1067.1
30°	945.6	963.7	998.7	1030.8	1039.2
32.5°	914.9	933.0	969.3	1000.1	1009.8
35°	879.9	899.5	935.8	965.1	972.1
37.5°	842.2	861.8	898.1	927.4	930.2
40°	804.5	824.1	857.6	884.1	886.9
42.5°	765.4	783.6	814.3	836.6	839.4
45°	722.1	741.7	769.6	787.8	787.8
47.5°	678.8	698.4	722.1	734.7	734.7
50°	634.1	652.3	671.8	678.8	677.4
52.5°	589.4	606.2	622.9	624.3	621.5
55°	546.1	555.9	567.1	569.9	564.3
57.5°	498.6	507.0	514.0	509.8	505.6
60°	448.3	456.7	458.1	451.1	447.0
62.5°	399.5	406.4	406.4	395.3	388.3
65°	349.2	353.4	350.6	338.0	331.0
67.5°	301.7	304.5	298.9	286.3	275.2
70°	252.8	254.2	247.2	231.9	224.9
72.5°	208.1	209.5	201.1	183.0	174.6
75°	166.2	166.2	155.0	136.9	131.3
77.5°	124.3	128.5	115.9	106.2	106.2
80°	89.4	93.6	81.0	82.4	81.0
82.5°	58.7	62.9	58.7	58.7	58.7
85°	32.1	34.9	37.7	39.1	39.1
87.5°	9.8	16.8	18.2	19.6	22.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)