

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: P297675

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297675
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-4500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3067.0 lumens
Efficiency: N/A
Efficacy: 89.7 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

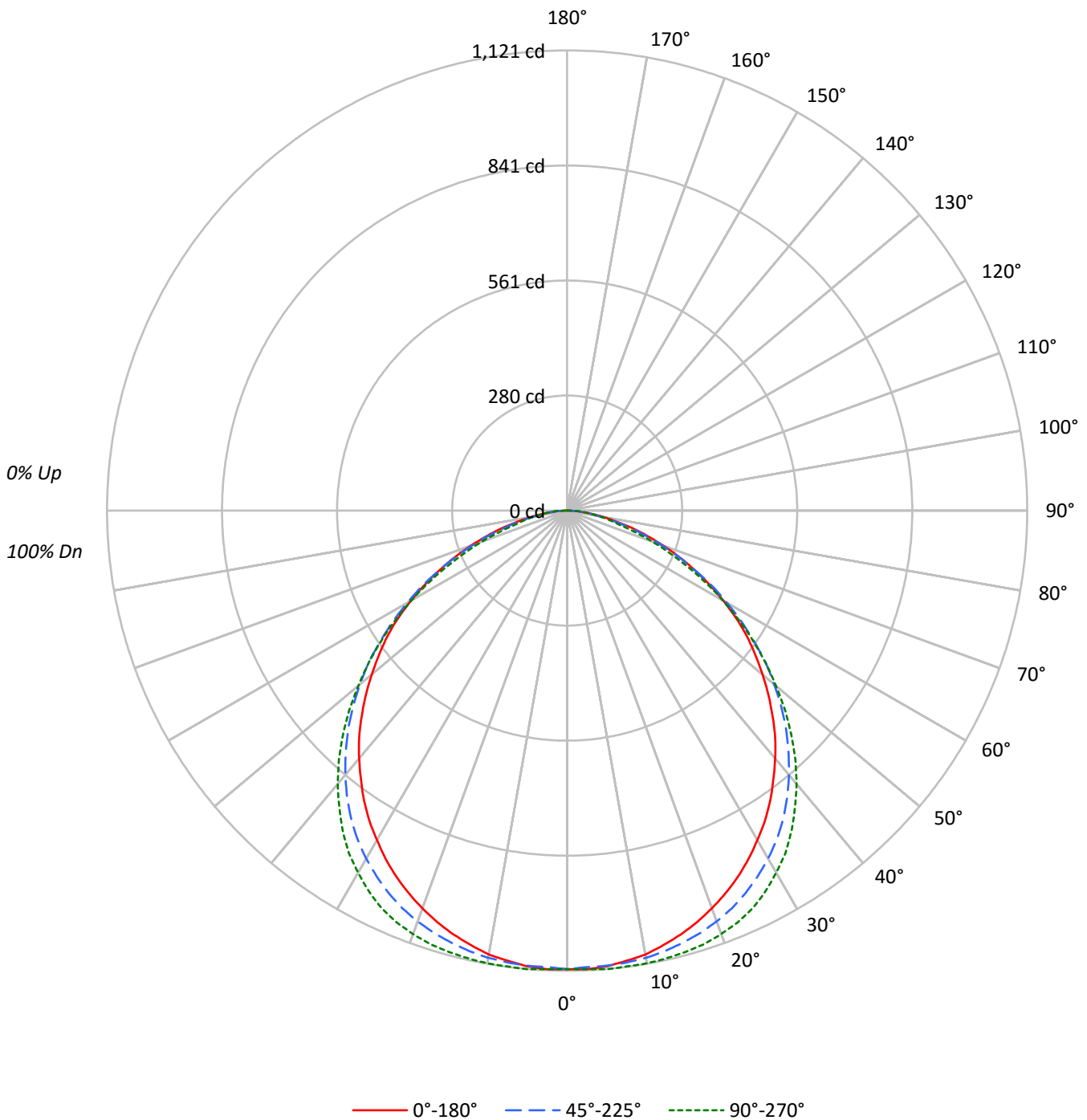
Input Watts (W): 34.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3006	3006	3006
5°	3010	3007	3029
10°	3000	3023	3060
15°	2979	3036	3101
20°	2952	3050	3144
25°	2923	3053	3175
30°	2880	3042	3165
35°	2833	3013	3130
40°	2770	2953	3054
45°	2694	2871	2938
50°	2602	2757	2780
55°	2511	2608	2595
60°	2365	2416	2358
65°	2180	2188	2066
70°	1950	1906	1734
75°	1694	1580	1338
80°	1358	1230	1230
85°	973	1142	1183



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	3.5
10°-20°	308.4	10.1
20°-30°	473.5	15.4
30°-40°	570.3	18.6
40°-50°	576.3	18.8
50°-60°	491.6	16.0
60°-70°	336.5	11.0
70°-80°	162.4	5.3
80°-90°	41.9	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°	888.2	29.0
0°-40°	1458.4	47.6
0°-60°	2526.3	82.4
0°-90°	3067.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3067.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1117	1117	1117	1117	1117	
5°	1114	1114	1113	1120	1121	106
15°	1069	1077	1090	1109	1113	302
25°	984	999	1028	1058	1069	453
35°	862	882	917	946	953	539
45°	708	727	754	772	772	546
55°	535	545	556	559	553	477
65°	342	346	344	331	324	340
75°	163	163	152	134	129	173
85°	32	34	37	38	38	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1117.1	1117.1	1117.1	1117.1	1117.1
2.5°	1118.5	1117.1	1113.0	1118.5	1118.5
5°	1114.4	1114.4	1113.0	1119.9	1121.3
7.5°	1106.2	1108.9	1110.3	1118.5	1119.9
10°	1098.0	1100.7	1106.2	1117.1	1119.9
12.5°	1084.3	1089.8	1099.3	1114.4	1117.1
15°	1069.2	1077.4	1089.8	1108.9	1113.0
17.5°	1051.4	1062.4	1078.8	1100.7	1107.6
20°	1030.9	1043.2	1065.1	1089.8	1098.0
22.5°	1009.0	1022.7	1048.7	1077.4	1085.7
25°	984.3	999.4	1028.2	1058.3	1069.2
27.5°	957.0	973.4	1004.9	1036.4	1046.0
30°	926.8	944.6	978.9	1010.4	1018.6
32.5°	896.7	914.5	950.1	980.2	989.8
35°	862.5	881.7	917.3	946.0	952.9
37.5°	825.5	844.7	880.3	909.0	911.8
40°	788.6	807.7	840.6	866.6	869.3
42.5°	750.2	768.0	798.2	820.1	822.8
45°	707.8	727.0	754.3	772.1	772.1
47.5°	665.4	684.5	707.8	720.1	720.1
50°	621.5	639.3	658.5	665.4	664.0
52.5°	577.7	594.2	610.6	612.0	609.2
55°	535.3	544.9	555.8	558.6	553.1
57.5°	488.8	497.0	503.8	499.7	495.6
60°	439.5	447.7	449.0	442.2	438.1
62.5°	391.5	398.4	398.4	387.4	380.6
65°	342.3	346.4	343.6	331.3	324.5
67.5°	295.7	298.5	293.0	280.7	269.7
70°	247.8	249.2	242.3	227.3	220.4
72.5°	204.0	205.4	197.1	179.3	171.1
75°	162.9	162.9	152.0	134.2	128.7
77.5°	121.8	126.0	113.6	104.0	104.0
80°	87.6	91.7	79.4	80.8	79.4
82.5°	57.5	61.6	57.5	57.5	57.5
85°	31.5	34.2	37.0	38.3	38.3
87.5°	9.6	16.4	17.8	19.2	21.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)