

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: P297814

Luminaire Tested: **D3X-WG-35L92765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297814
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-35L92765-LD5-UNV-14-T1-W2A-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2984.0 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

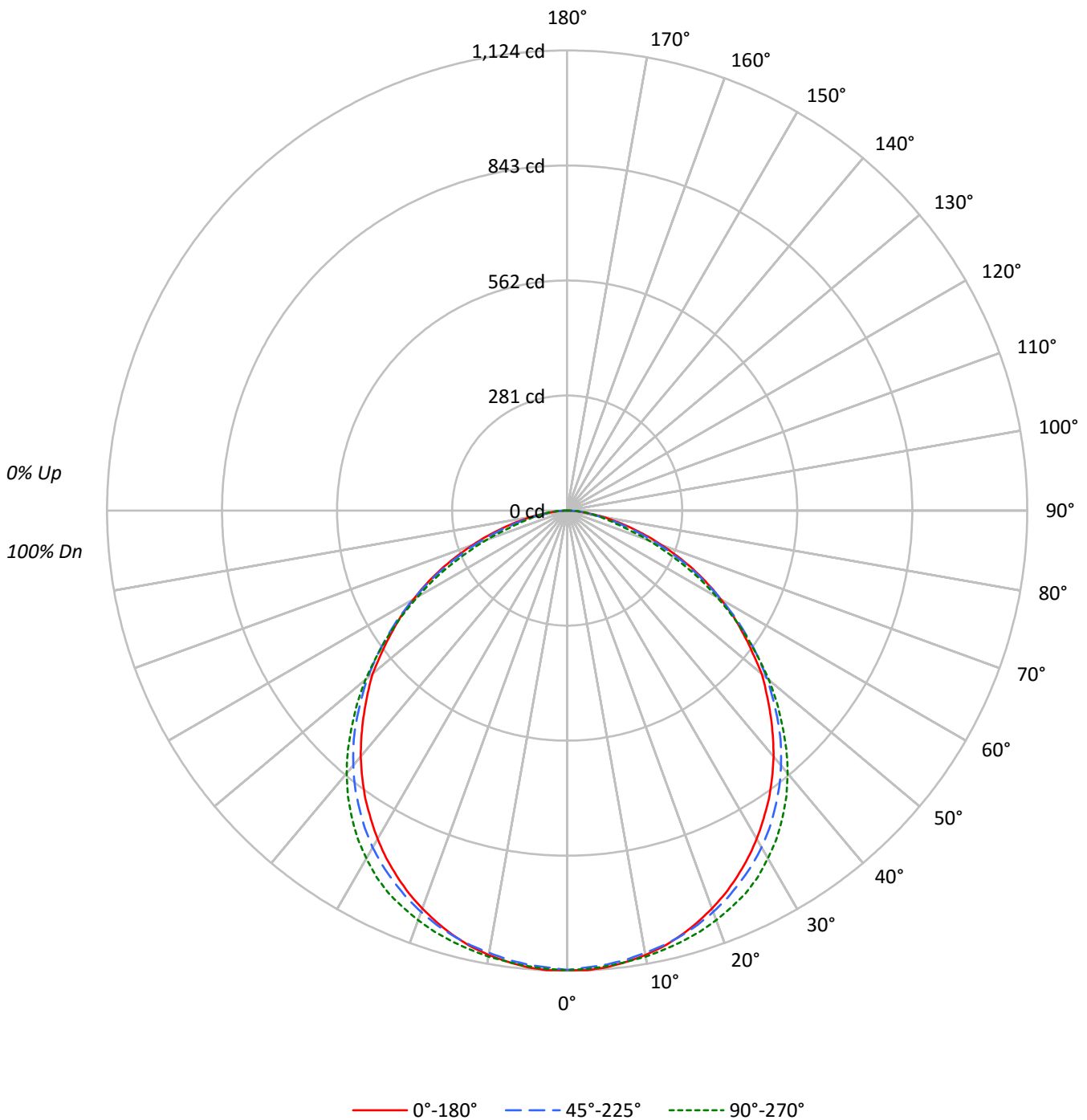
Input Watts (W): 33.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	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	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	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°	3020	3020	3020
5°	3024	3006	3017
10°	3012	2997	3023
15°	2993	2996	3034
20°	2962	2988	3049
25°	2924	2972	3063
30°	2878	2952	3048
35°	2823	2911	3011
40°	2756	2855	2944
45°	2671	2773	2829
50°	2598	2665	2693
55°	2467	2517	2504
60°	2334	2334	2270
65°	2167	2116	1997
70°	1921	1837	1659
75°	1665	1512	1277
80°	1365	1179	1158
85°	908	1071	1155



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.1	3.6
10°-20°	304.6	10.2
20°-30°	462.9	15.5
30°-40°	554.2	18.6
40°-50°	559.0	18.7
50°-60°	476.2	16.0
60°-70°	325.6	10.9
70°-80°	155.9	5.2
80°-90°	39.5	1.3
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°	873.6	29.3
0°-40°	1427.8	47.8
0°-60°	2463.0	82.5
0°-90°	2984.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2984.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1122	1122	1122	1122	1122	
5°	1120	1118	1113	1118	1117	106
15°	1074	1072	1076	1088	1089	303
25°	985	986	1001	1024	1032	454
35°	859	862	886	911	917	537
45°	702	707	729	743	743	542
55°	526	528	536	538	534	471
65°	340	334	332	320	314	336
75°	160	158	145	127	123	171
85°	29	32	35	36	37	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1122.2	1122.2	1122.2	1122.2	1122.2
2.5°	1123.6	1122.2	1116.9	1122.2	1120.9
5°	1119.6	1118.2	1112.9	1118.2	1116.9
7.5°	1111.6	1110.2	1106.2	1111.6	1111.6
10°	1102.2	1099.5	1096.9	1104.9	1106.2
12.5°	1090.2	1087.5	1087.5	1096.9	1098.2
15°	1074.2	1071.5	1075.5	1087.5	1088.9
17.5°	1055.5	1054.2	1060.8	1075.5	1078.2
20°	1034.2	1032.8	1043.5	1060.8	1064.8
22.5°	1011.5	1011.5	1023.5	1043.5	1048.8
25°	984.8	986.1	1000.8	1023.5	1031.5
27.5°	956.8	959.4	976.8	1002.1	1008.8
30°	926.1	930.1	950.1	974.1	980.8
32.5°	892.7	896.7	919.4	944.8	951.4
35°	859.4	862.0	886.0	911.4	916.7
37.5°	822.0	826.0	851.3	874.0	879.4
40°	784.6	788.6	812.6	834.0	838.0
42.5°	743.3	748.6	772.6	790.0	792.6
45°	701.9	707.2	728.6	743.3	743.3
47.5°	660.5	663.2	681.9	696.6	695.2
50°	620.5	619.2	636.5	643.2	643.2
52.5°	571.1	575.1	587.1	591.1	587.1
55°	525.8	528.4	536.4	537.8	533.8
57.5°	481.7	480.4	487.1	483.1	477.7
60°	433.7	433.7	433.7	429.7	421.7
62.5°	387.0	384.3	383.0	373.6	369.6
65°	340.3	333.6	332.3	320.3	313.6
67.5°	290.9	288.2	281.6	269.5	257.5
70°	244.2	241.5	233.5	218.8	210.8
72.5°	201.5	198.8	188.1	170.8	160.1
75°	160.1	157.5	145.4	126.8	122.8
77.5°	121.4	120.1	108.1	98.7	97.4
80°	88.1	86.7	76.1	76.1	74.7
82.5°	56.0	56.0	53.4	54.7	56.0
85°	29.4	32.0	34.7	36.0	37.4
87.5°	9.3	14.7	17.3	18.7	17.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)