

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: P297951

Luminaire Tested: **D3X-WO-35L92765-LD5-UNV-14-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297951
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-2700K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2794.0 lumens
Efficiency: N/A
Efficacy: 83.4 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

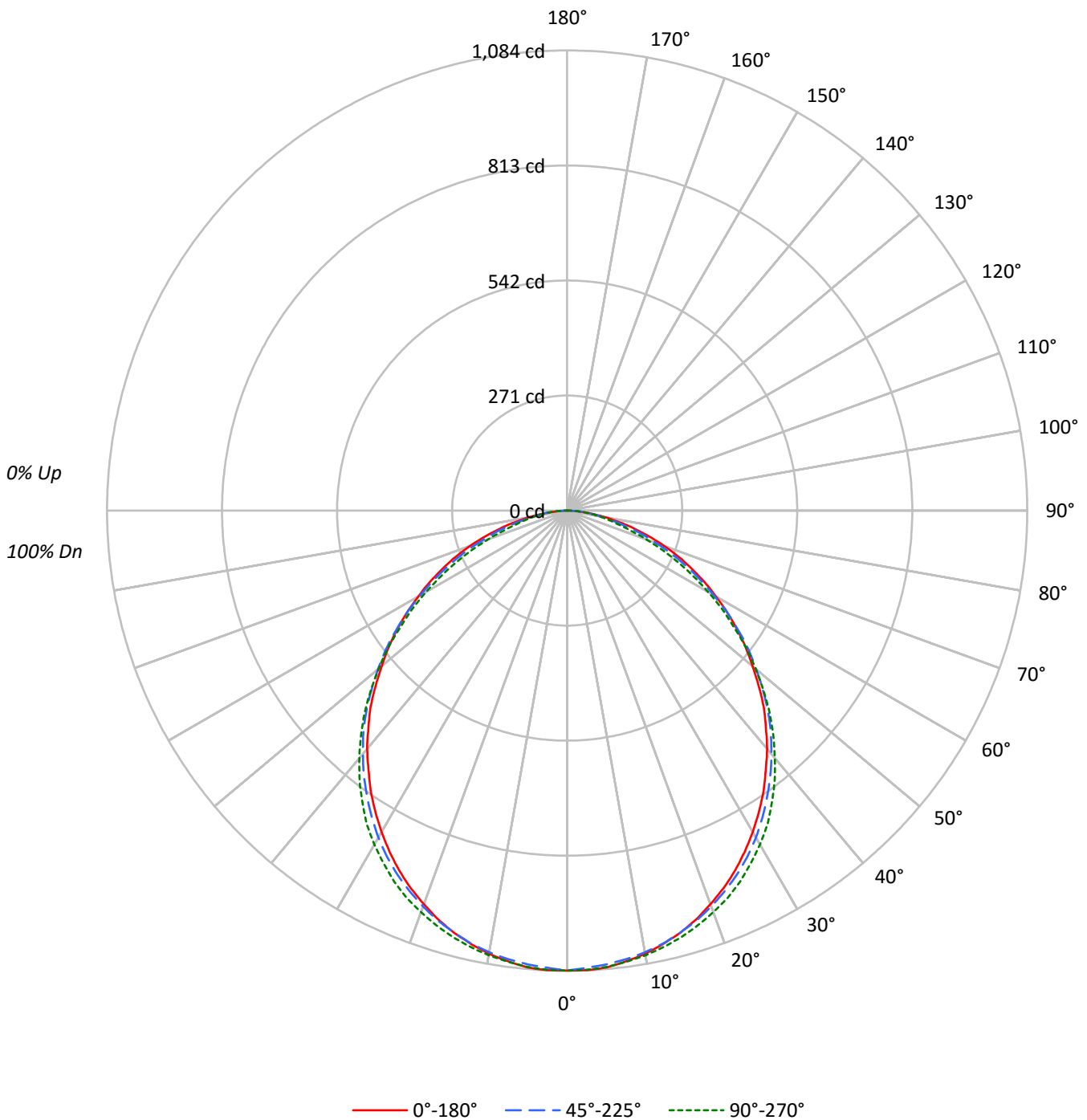
Input Watts (W): 33.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2916	2916	2916
5°	2918	2898	2915
10°	2896	2887	2906
15°	2867	2867	2897
20°	2825	2842	2883
25°	2778	2810	2863
30°	2716	2764	2823
35°	2650	2700	2762
40°	2575	2629	2675
45°	2493	2547	2569
50°	2385	2434	2425
55°	2295	2312	2251
60°	2180	2148	2065
65°	2059	1976	1840
70°	1910	1752	1556
75°	1699	1502	1281
80°	1413	1230	1193
85°	1025	1096	1096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.3	3.7
10°-20°	291.3	10.4
20°-30°	436.6	15.6
30°-40°	514.4	18.4
40°-50°	513.1	18.4
50°-60°	436.4	15.6
60°-70°	304.6	10.9
70°-80°	154.8	5.5
80°-90°	40.4	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°	830.2	29.7
0°-40°	1344.7	48.1
0°-60°	2294.1	82.1
0°-90°	2794.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2794.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1084	1084	1084	1084	1084	
5°	1080	1078	1073	1079	1079	102
15°	1029	1029	1029	1039	1040	290
25°	936	937	946	960	964	431
35°	807	808	822	838	841	504
45°	655	657	669	674	675	504
55°	489	489	493	486	480	437
65°	323	319	310	294	289	321
75°	163	158	144	127	123	174
85°	33	34	36	36	36	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1083.7	1083.7	1083.7	1083.7	1083.7
2.5°	1083.7	1082.5	1077.8	1082.5	1082.5
5°	1080.1	1077.8	1073.0	1079.0	1079.0
7.5°	1070.7	1069.5	1065.9	1071.9	1071.9
10°	1060.0	1058.8	1056.5	1063.6	1063.6
12.5°	1045.8	1045.8	1044.6	1051.7	1052.9
15°	1029.2	1029.2	1029.2	1038.7	1039.9
17.5°	1010.3	1009.1	1012.6	1023.3	1024.5
20°	986.6	987.8	992.5	1004.3	1006.7
22.5°	962.9	964.1	970.0	984.2	987.8
25°	935.6	936.8	946.3	960.5	964.1
27.5°	906.0	908.4	919.1	934.5	936.8
30°	874.1	876.4	889.5	904.9	908.4
32.5°	840.9	844.5	856.3	872.9	877.6
35°	806.6	807.7	822.0	838.5	840.9
37.5°	768.7	772.2	786.4	800.6	803.0
40°	733.1	735.5	748.5	760.4	761.5
42.5°	692.9	696.4	710.6	718.9	718.9
45°	655.0	657.3	669.2	673.9	675.1
47.5°	612.3	614.7	625.3	627.7	627.7
50°	569.7	575.6	581.5	581.5	579.2
52.5°	530.6	531.8	538.9	534.1	531.8
55°	489.1	489.1	492.7	485.6	479.7
57.5°	447.7	447.7	447.7	438.2	433.5
60°	405.1	403.9	399.1	387.3	383.7
62.5°	364.8	361.2	354.1	342.3	335.2
65°	323.3	318.6	310.3	293.7	289.0
67.5°	284.2	276.0	266.5	251.1	242.8
70°	242.8	235.7	222.7	204.9	197.8
72.5°	202.5	195.4	184.8	167.0	156.3
75°	163.4	157.5	144.5	126.7	123.2
77.5°	125.5	122.0	109.0	100.7	99.5
80°	91.2	90.0	79.4	77.0	77.0
82.5°	60.4	59.2	55.7	55.7	54.5
85°	33.2	34.3	35.5	35.5	35.5
87.5°	11.8	14.2	16.6	16.6	16.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)