

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: P297883

Luminaire Tested: **D3X-WO-35L82765-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297883
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-35L82765-LD5-UNV-14-T1-W2A-3500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3482.0 lumens
Efficiency: N/A
Efficacy: 103.0 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

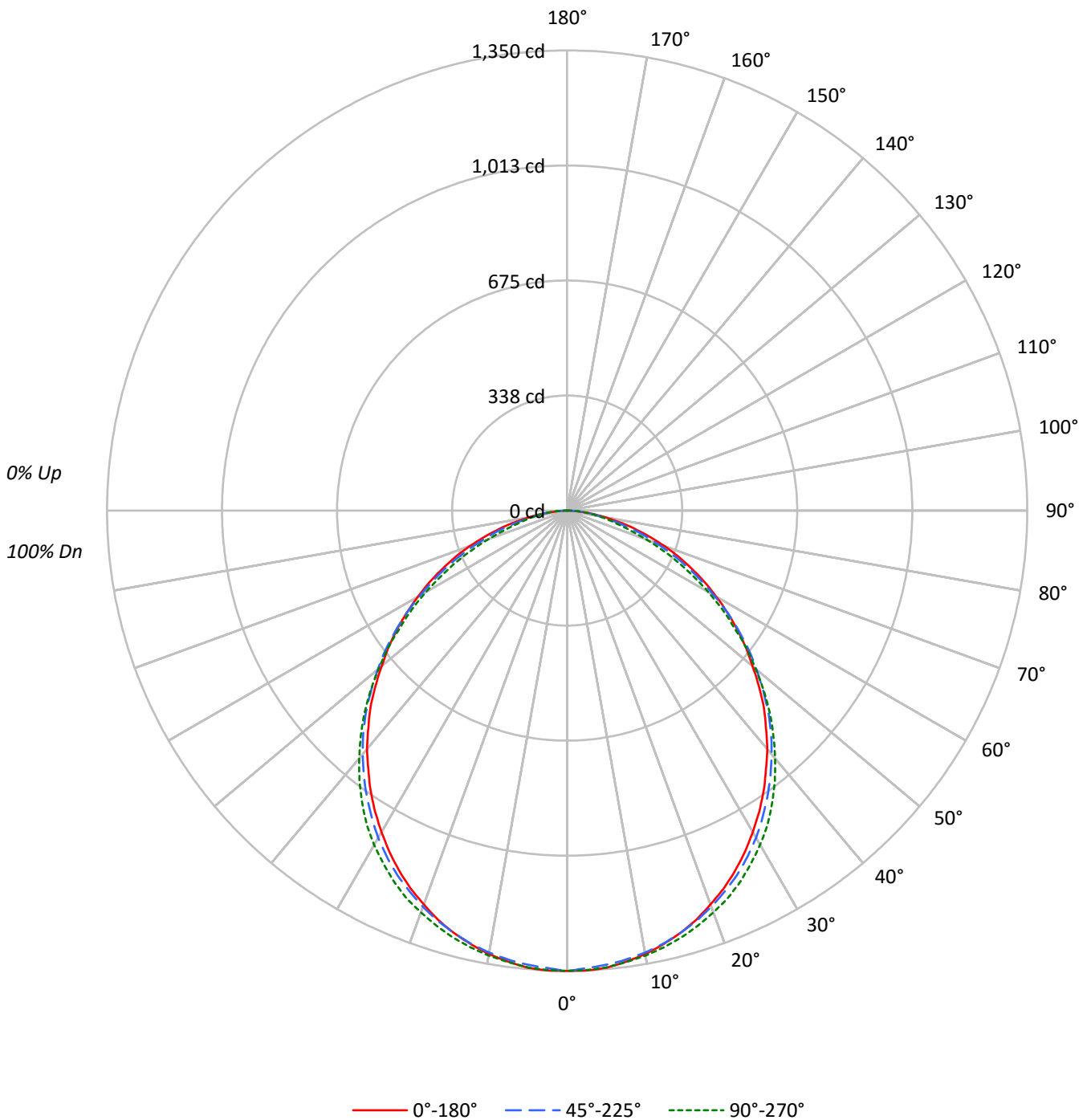
Input Watts (W): 33.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3634	3634	3634
5°	3636	3612	3632
10°	3610	3598	3622
15°	3573	3573	3610
20°	3521	3542	3593
25°	3462	3502	3567
30°	3385	3444	3518
35°	3302	3365	3443
40°	3209	3277	3334
45°	3106	3174	3202
50°	2972	3034	3022
55°	2860	2881	2805
60°	2717	2677	2574
65°	2566	2462	2293
70°	2381	2183	1939
75°	2118	1873	1596
80°	1762	1533	1486
85°	1275	1368	1368



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.5	3.7
10°-20°	363.1	10.4
20°-30°	544.1	15.6
30°-40°	641.1	18.4
40°-50°	639.4	18.4
50°-60°	543.9	15.6
60°-70°	379.6	10.9
70°-80°	192.9	5.5
80°-90°	50.4	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°	1034.7	29.7
0°-40°	1675.8	48.1
0°-60°	2859.1	82.1
0°-90°	3482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3482.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1350	1350	1350	1350	1350	
5°	1346	1343	1337	1345	1345	128
15°	1283	1283	1283	1294	1296	362
25°	1166	1168	1179	1197	1202	537
35°	1005	1007	1024	1045	1048	628
45°	816	819	834	840	841	628
55°	610	610	614	605	598	545
65°	403	397	387	366	360	400
75°	204	196	180	158	154	216
85°	41	43	44	44	44	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1350.5	1350.5	1350.5	1350.5	1350.5
2.5°	1350.5	1349.1	1343.2	1349.1	1349.1
5°	1346.1	1343.2	1337.3	1344.6	1344.6
7.5°	1334.3	1332.8	1328.4	1335.8	1335.8
10°	1321.0	1319.6	1316.6	1325.5	1325.5
12.5°	1303.3	1303.3	1301.8	1310.7	1312.2
15°	1282.7	1282.7	1282.7	1294.5	1295.9
17.5°	1259.0	1257.6	1262.0	1275.3	1276.7
20°	1229.5	1231.0	1236.9	1251.7	1254.6
22.5°	1200.0	1201.5	1208.9	1226.6	1231.0
25°	1166.0	1167.5	1179.3	1197.0	1201.5
27.5°	1129.1	1132.1	1145.4	1164.6	1167.5
30°	1089.3	1092.2	1108.5	1127.7	1132.1
32.5°	1048.0	1052.4	1067.2	1087.8	1093.7
35°	1005.2	1006.6	1024.3	1045.0	1048.0
37.5°	957.9	962.4	980.1	997.8	1000.7
40°	913.6	916.6	932.8	947.6	949.1
42.5°	863.5	867.9	885.6	895.9	895.9
45°	816.2	819.2	833.9	839.8	841.3
47.5°	763.1	766.0	779.3	782.3	782.3
50°	710.0	717.3	724.7	724.7	721.8
52.5°	661.3	662.7	671.6	665.7	662.7
55°	609.6	609.6	614.0	605.2	597.8
57.5°	557.9	557.9	557.9	546.1	540.2
60°	504.8	503.3	497.4	482.7	478.2
62.5°	454.6	450.2	441.3	426.6	417.7
65°	403.0	397.0	386.7	366.0	360.1
67.5°	354.2	343.9	332.1	312.9	302.6
70°	302.6	293.7	277.5	255.3	246.5
72.5°	252.4	243.5	230.3	208.1	194.8
75°	203.7	196.3	180.1	157.9	153.5
77.5°	156.5	152.0	135.8	125.5	124.0
80°	113.7	112.2	98.9	95.9	95.9
82.5°	75.3	73.8	69.4	69.4	67.9
85°	41.3	42.8	44.3	44.3	44.3
87.5°	14.8	17.7	20.7	20.7	20.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)