

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: P297885

Luminaire Tested: **D3X-WO-35L82765-LD5-UNV-14-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297885
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-4500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 80 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3621.0 lumens
Efficiency: N/A
Efficacy: 105.9 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

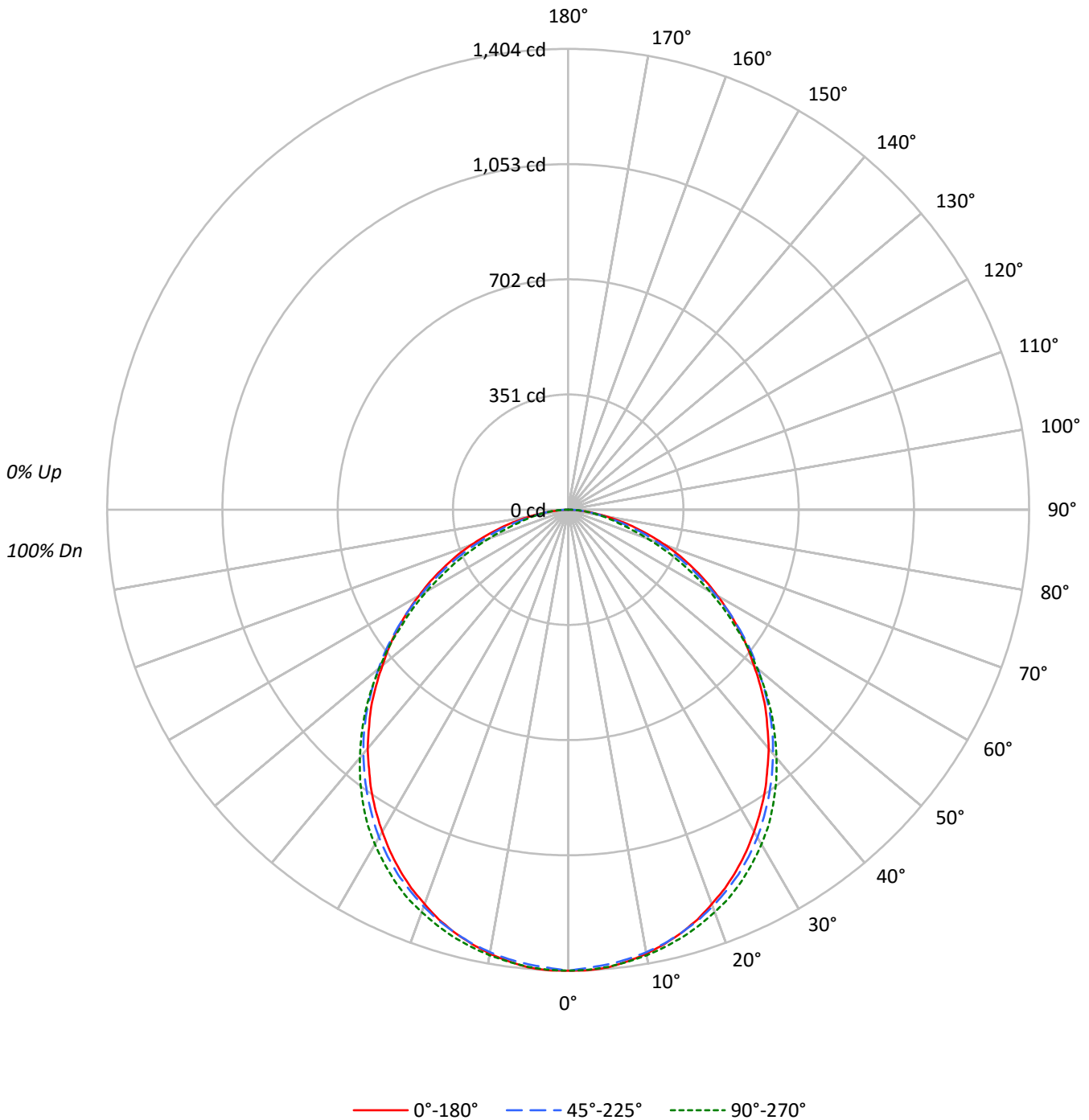
Input Watts (W): 34.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	31		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°	3779	3779	3779
5°	3781	3756	3777
10°	3754	3741	3766
15°	3716	3716	3755
20°	3662	3684	3736
25°	3600	3641	3710
30°	3520	3582	3658
35°	3434	3499	3580
40°	3338	3408	3467
45°	3230	3300	3330
50°	3091	3155	3142
55°	2974	2996	2916
60°	2825	2784	2676
65°	2668	2561	2385
70°	2476	2271	2017
75°	2202	1947	1659
80°	1832	1593	1547
85°	1328	1420	1420



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.5	3.7
10°-20°	377.6	10.4
20°-30°	565.9	15.6
30°-40°	666.7	18.4
40°-50°	664.9	18.4
50°-60°	565.6	15.6
60°-70°	394.8	10.9
70°-80°	200.6	5.5
80°-90°	52.4	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°	1076.0	29.7
0°-40°	1742.7	48.1
0°-60°	2973.2	82.1
0°-90°	3621.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3621.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1404	1404	1404	1404	1404	
5°	1400	1397	1391	1398	1398	133
15°	1334	1334	1334	1346	1348	376
25°	1213	1214	1226	1245	1249	558
35°	1045	1047	1065	1087	1090	653
45°	849	852	867	873	875	653
55°	634	634	638	629	622	566
65°	419	413	402	381	374	416
75°	212	204	187	164	160	225
85°	43	44	46	46	46	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1404.5	1402.9	1396.8	1402.9	1402.9
5°	1399.9	1396.8	1390.6	1398.3	1398.3
7.5°	1387.6	1386.0	1381.4	1389.1	1389.1
10°	1373.8	1372.2	1369.2	1378.4	1378.4
12.5°	1355.3	1355.3	1353.8	1363.0	1364.6
15°	1333.9	1333.9	1333.9	1346.1	1347.7
17.5°	1309.3	1307.8	1312.4	1326.2	1327.7
20°	1278.6	1280.1	1286.3	1301.6	1304.7
22.5°	1247.9	1249.4	1257.1	1275.5	1280.1
25°	1212.6	1214.1	1226.4	1244.8	1249.4
27.5°	1174.2	1177.3	1191.1	1211.1	1214.1
30°	1132.8	1135.8	1152.7	1172.7	1177.3
32.5°	1089.8	1094.4	1109.8	1131.2	1137.4
35°	1045.3	1046.8	1065.2	1086.7	1089.8
37.5°	996.2	1000.8	1019.2	1037.6	1040.7
40°	950.1	953.2	970.1	985.4	987.0
42.5°	897.9	902.5	921.0	931.7	931.7
45°	848.8	851.9	867.2	873.4	874.9
47.5°	793.6	796.6	810.4	813.5	813.5
50°	738.3	746.0	753.7	753.7	750.6
52.5°	687.6	689.2	698.4	692.3	689.2
55°	633.9	633.9	638.5	629.3	621.6
57.5°	580.2	580.2	580.2	567.9	561.8
60°	524.9	523.4	517.3	501.9	497.3
62.5°	472.8	468.2	458.9	443.6	434.4
65°	419.0	412.9	402.2	380.7	374.5
67.5°	368.4	357.6	345.4	325.4	314.7
70°	314.7	305.5	288.6	265.5	256.3
72.5°	262.5	253.3	239.4	216.4	202.6
75°	211.8	204.1	187.3	164.2	159.6
77.5°	162.7	158.1	141.2	130.5	128.9
80°	118.2	116.7	102.8	99.8	99.8
82.5°	78.3	76.7	72.1	72.1	70.6
85°	43.0	44.5	46.0	46.0	46.0
87.5°	15.3	18.4	21.5	21.5	21.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)