

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: P297961

Luminaire Tested: **D3X-WO-40L92765-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297961
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-40L92765-LD5-UNV-14-T1-W2A-3000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3306.0 lumens
Efficiency: N/A
Efficacy: 84.6 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

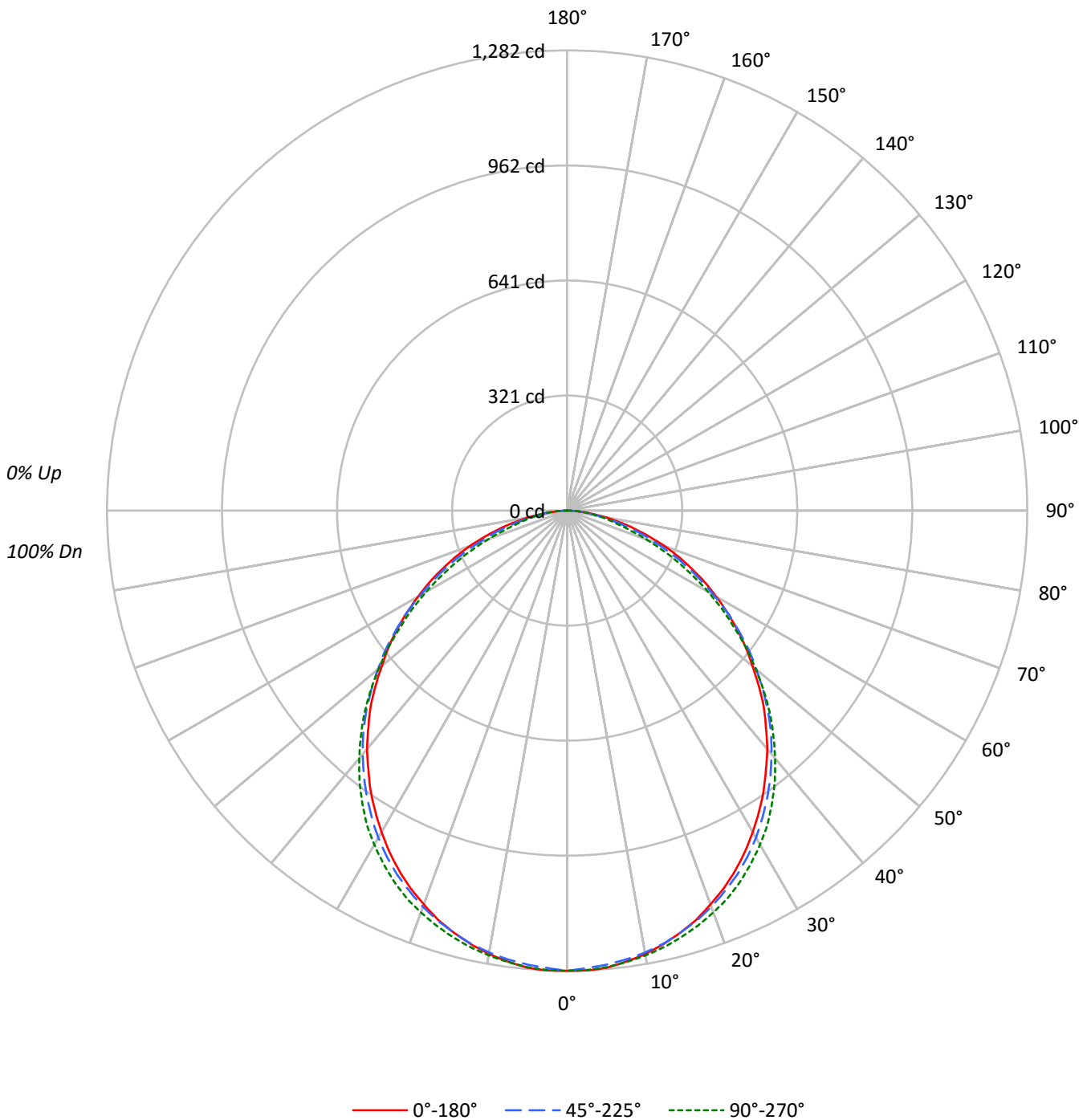
Input Watts (W): 39.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3451	3451	3451
5°	3452	3430	3449
10°	3427	3416	3439
15°	3393	3393	3428
20°	3343	3363	3411
25°	3287	3325	3387
30°	3214	3270	3340
35°	3135	3195	3269
40°	3047	3111	3165
45°	2949	3013	3040
50°	2822	2881	2869
55°	2715	2735	2663
60°	2580	2542	2444
65°	2436	2338	2177
70°	2260	2073	1841
75°	2011	1778	1515
80°	1672	1455	1412
85°	1210	1297	1297



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.0	3.7
10°-20°	344.7	10.4
20°-30°	516.6	15.6
30°-40°	608.7	18.4
40°-50°	607.1	18.4
50°-60°	516.4	15.6
60°-70°	360.4	10.9
70°-80°	183.2	5.5
80°-90°	47.8	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°	982.4	29.7
0°-40°	1591.1	48.1
0°-60°	2714.5	82.1
0°-90°	3306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3306.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1282	1282	1282	1282	1282	
5°	1278	1275	1270	1277	1277	121
15°	1218	1218	1218	1229	1230	343
25°	1107	1108	1120	1136	1141	510
35°	954	956	973	992	995	596
45°	775	778	792	797	799	596
55°	579	579	583	575	568	517
65°	383	377	367	348	342	379
75°	193	186	171	150	146	205
85°	39	41	42	42	42	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1282.3	1282.3	1282.3	1282.3	1282.3
2.5°	1282.3	1280.9	1275.3	1280.9	1280.9
5°	1278.1	1275.3	1269.7	1276.7	1276.7
7.5°	1266.9	1265.5	1261.3	1268.3	1268.3
10°	1254.3	1252.9	1250.1	1258.5	1258.5
12.5°	1237.4	1237.4	1236.0	1244.4	1245.8
15°	1217.8	1217.8	1217.8	1229.0	1230.4
17.5°	1195.4	1194.0	1198.2	1210.8	1212.2
20°	1167.4	1168.8	1174.4	1188.4	1191.2
22.5°	1139.3	1140.7	1147.7	1164.6	1168.8
25°	1107.1	1108.5	1119.7	1136.5	1140.7
27.5°	1072.1	1074.9	1087.5	1105.7	1108.5
30°	1034.2	1037.0	1052.5	1070.7	1074.9
32.5°	995.0	999.2	1013.2	1032.8	1038.4
35°	954.4	955.8	972.6	992.2	995.0
37.5°	909.5	913.7	930.5	947.3	950.2
40°	867.5	870.3	885.7	899.7	901.1
42.5°	819.8	824.0	840.8	850.7	850.7
45°	775.0	777.8	791.8	797.4	798.8
47.5°	724.5	727.3	739.9	742.7	742.7
50°	674.1	681.1	688.1	688.1	685.3
52.5°	627.8	629.2	637.6	632.0	629.2
55°	578.8	578.8	583.0	574.6	567.6
57.5°	529.7	529.7	529.7	518.5	512.9
60°	479.3	477.9	472.3	458.3	454.1
62.5°	431.6	427.4	419.0	405.0	396.6
65°	382.6	377.0	367.2	347.5	341.9
67.5°	336.3	326.5	315.3	297.1	287.3
70°	287.3	278.9	263.5	242.4	234.0
72.5°	239.6	231.2	218.6	197.6	185.0
75°	193.4	186.4	171.0	150.0	145.7
77.5°	148.5	144.3	128.9	119.1	117.7
80°	107.9	106.5	93.9	91.1	91.1
82.5°	71.5	70.1	65.9	65.9	64.5
85°	39.2	40.6	42.0	42.0	42.0
87.5°	14.0	16.8	19.6	19.6	19.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)