

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: P298457

Luminaire Tested: **D3X-WO-40L92765-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
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-22-T1-W2A-3500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3426.0 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

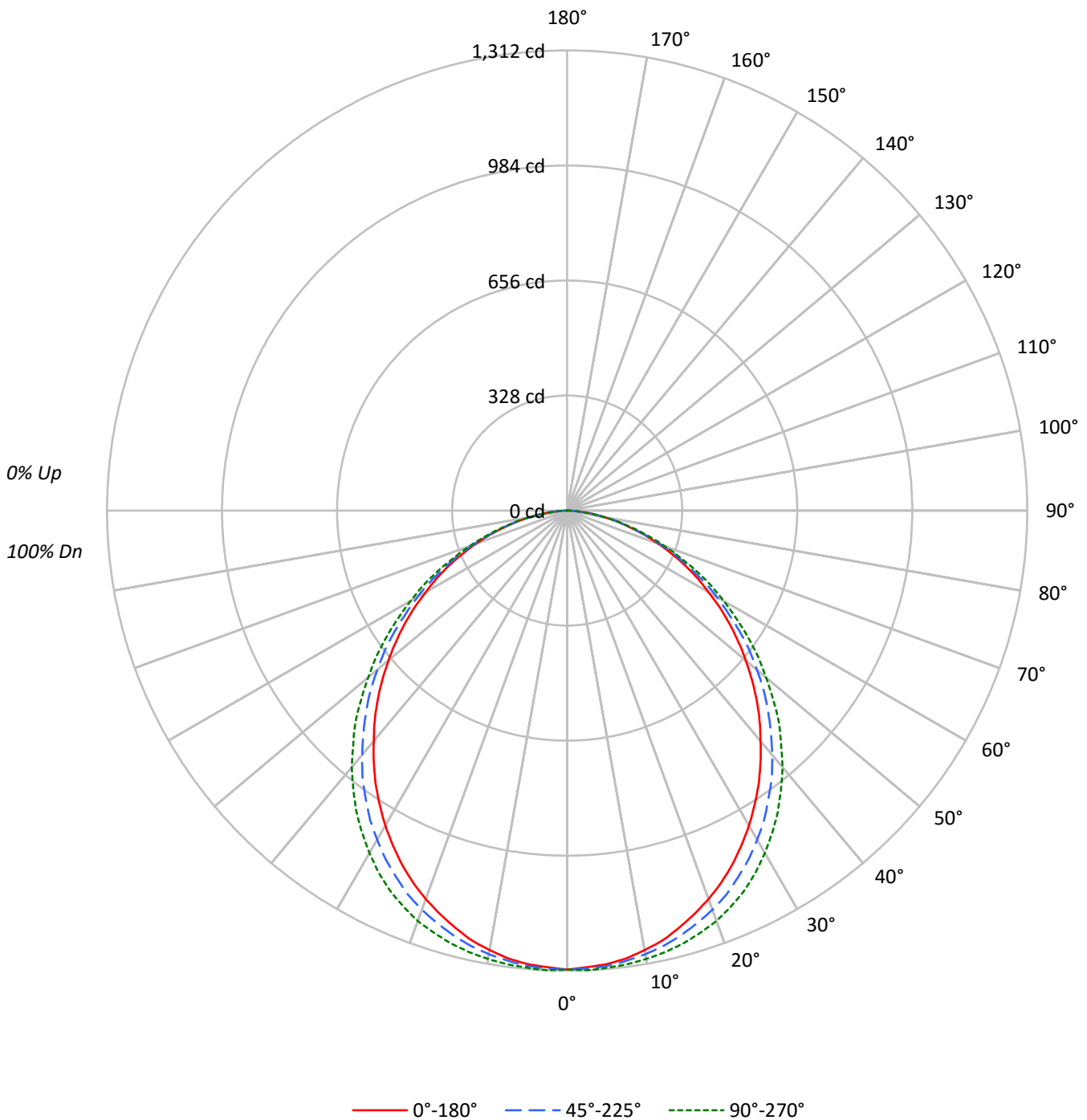
Input Watts (W): 32.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92		94	92	89		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	66	63	60
4	84	72	63	57	81	70	62	56	68	61	56		66	60	55		64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		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	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	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°	3521	3521	3521
5°	3507	3520	3534
10°	3477	3510	3547
15°	3431	3493	3560
20°	3375	3468	3566
25°	3307	3424	3551
30°	3223	3366	3503
35°	3127	3289	3441
40°	3014	3194	3356
45°	2908	3084	3252
50°	2785	2956	3099
55°	2657	2817	2953
60°	2506	2653	2773
65°	2368	2455	2574
70°	2174	2242	2322
75°	1933	1987	2040
80°	1666	1640	1640
85°	1263	1158	1053



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	3.6
10°-20°	353.8	10.3
20°-30°	531.1	15.5
30°-40°	625.1	18.2
40°-50°	623.5	18.2
50°-60°	535.1	15.6
60°-70°	383.2	11.2
70°-80°	203.0	5.9
80°-90°	47.4	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°	1008.7	29.4
0°-40°	1633.8	47.7
0°-60°	2792.4	81.5
0°-90°	3426.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3426.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1308	1308	1308	1308	1308	
5°	1298	1298	1303	1307	1308	123
15°	1232	1237	1254	1271	1278	347
25°	1114	1124	1153	1182	1196	513
35°	952	964	1001	1035	1047	595
45°	764	776	810	839	855	589
55°	566	575	600	621	629	506
65°	372	374	386	401	404	367
75°	186	186	191	194	196	199
85°	41	39	38	34	34	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1308.4	1308.4	1308.4	1308.4	1308.4
2.5°	1303.2	1303.2	1306.7	1310.1	1311.8
5°	1298.1	1298.1	1303.2	1306.7	1308.4
7.5°	1287.9	1287.9	1294.7	1301.5	1304.9
10°	1272.5	1275.9	1284.5	1294.7	1298.1
12.5°	1255.5	1258.9	1270.8	1284.5	1289.6
15°	1231.6	1236.7	1253.8	1270.8	1277.7
17.5°	1206.0	1212.8	1233.3	1253.8	1262.3
20°	1178.7	1185.5	1211.1	1235.0	1245.2
22.5°	1148.0	1156.5	1185.5	1211.1	1221.4
25°	1113.9	1124.1	1153.1	1182.1	1195.8
27.5°	1076.4	1088.3	1120.7	1151.4	1163.4
30°	1037.1	1050.8	1083.2	1115.6	1127.5
32.5°	994.5	1006.4	1045.7	1076.4	1088.3
35°	951.8	963.8	1001.3	1035.4	1047.4
37.5°	905.8	921.1	958.7	989.4	1001.3
40°	858.0	873.4	909.2	945.0	955.3
42.5°	812.0	825.6	859.7	892.1	902.4
45°	764.2	776.1	810.3	839.3	854.6
47.5°	714.7	726.7	760.8	788.1	796.6
50°	665.3	677.2	706.2	730.1	740.3
52.5°	615.8	627.7	655.0	677.2	687.4
55°	566.3	574.9	600.4	620.9	629.4
57.5°	516.9	523.7	544.2	566.3	571.4
60°	465.7	474.2	493.0	508.3	515.2
62.5°	419.6	423.0	440.1	453.7	462.3
65°	371.9	373.6	385.5	400.9	404.3
67.5°	322.4	324.1	336.0	344.6	348.0
70°	276.3	276.3	284.9	291.7	295.1
72.5°	232.0	230.3	235.4	242.2	245.6
75°	185.9	185.9	191.1	194.5	196.2
77.5°	146.7	143.3	146.7	150.1	150.1
80°	107.5	105.8	105.8	107.5	105.8
82.5°	73.3	71.6	73.3	69.9	68.2
85°	40.9	39.2	37.5	34.1	34.1
87.5°	13.6	11.9	11.9	13.6	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)