

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: P298376

Luminaire Tested: **D3X-WO-40L82765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298376
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-40L82765-LD5-UNV-22-T1-W2A-5000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4123.0 lumens
Efficiency: N/A
Efficacy: 125.7 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

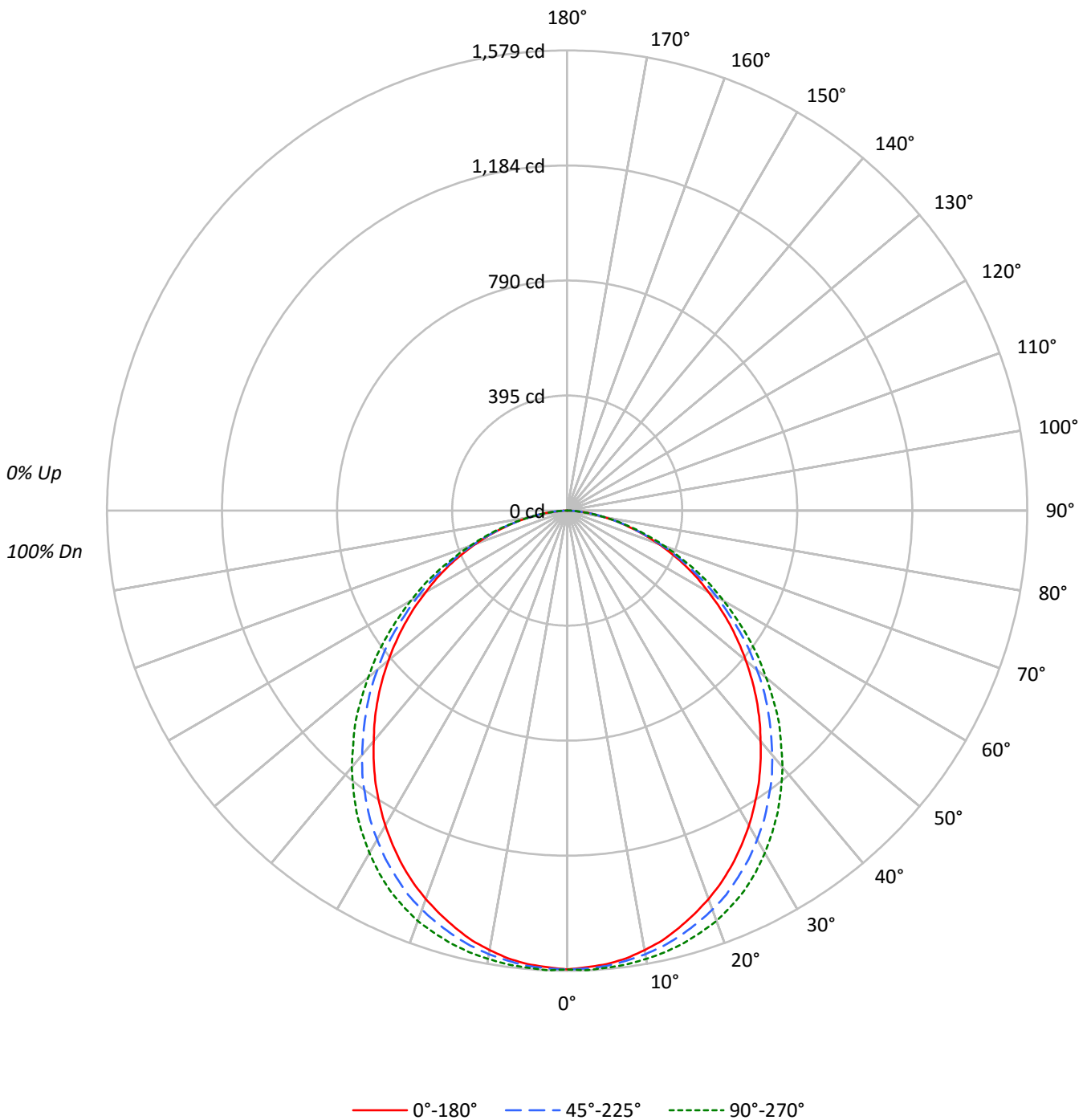
Input Watts (W): 32.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4237	4237	4237
5°	4220	4237	4253
10°	4185	4224	4269
15°	4129	4203	4284
20°	4062	4174	4292
25°	3980	4120	4273
30°	3878	4051	4216
35°	3763	3959	4141
40°	3627	3844	4038
45°	3500	3711	3914
50°	3352	3558	3730
55°	3197	3390	3554
60°	3016	3193	3337
65°	2849	2954	3098
70°	2617	2697	2794
75°	2327	2390	2455
80°	2004	1973	1973
85°	1522	1396	1269



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.0	3.6
10°-20°	425.7	10.3
20°-30°	639.2	15.5
30°-40°	752.3	18.2
40°-50°	750.4	18.2
50°-60°	643.9	15.6
60°-70°	461.2	11.2
70°-80°	244.2	5.9
80°-90°	57.1	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°	1213.9	29.4
0°-40°	1966.2	47.7
0°-60°	3360.5	81.5
0°-90°	4123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4123.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1574	1574	1574	1574	1574	
5°	1562	1562	1568	1572	1574	148
15°	1482	1488	1509	1529	1538	418
25°	1340	1353	1388	1423	1439	617
35°	1146	1160	1205	1246	1260	716
45°	920	934	975	1010	1028	709
55°	682	692	723	747	758	609
65°	448	450	464	482	486	442
75°	224	224	230	234	236	240
85°	49	47	45	41	41	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1574.5	1574.5	1574.5	1574.5	1574.5
2.5°	1568.4	1568.4	1572.5	1576.6	1578.6
5°	1562.2	1562.2	1568.4	1572.5	1574.5
7.5°	1549.9	1549.9	1558.1	1566.3	1570.4
10°	1531.4	1535.5	1545.8	1558.1	1562.2
12.5°	1510.9	1515.0	1529.4	1545.8	1552.0
15°	1482.2	1488.3	1508.8	1529.4	1537.6
17.5°	1451.4	1459.6	1484.2	1508.8	1519.1
20°	1418.5	1426.7	1457.5	1486.3	1498.6
22.5°	1381.6	1391.8	1426.7	1457.5	1469.8
25°	1340.5	1352.8	1387.7	1422.6	1439.0
27.5°	1295.3	1309.7	1348.7	1385.7	1400.0
30°	1248.1	1264.6	1303.6	1342.6	1356.9
32.5°	1196.8	1211.2	1258.4	1295.3	1309.7
35°	1145.5	1159.9	1205.0	1246.1	1260.5
37.5°	1090.1	1108.5	1153.7	1190.7	1205.0
40°	1032.6	1051.1	1094.2	1137.3	1149.6
42.5°	977.2	993.6	1034.6	1073.6	1086.0
45°	919.7	934.0	975.1	1010.0	1028.5
47.5°	860.1	874.5	915.6	948.4	958.7
50°	800.6	815.0	849.9	878.6	890.9
52.5°	741.1	755.4	788.3	815.0	827.3
55°	681.5	691.8	722.6	747.2	757.5
57.5°	622.0	630.2	654.9	681.5	687.7
60°	560.4	570.7	593.3	611.7	620.0
62.5°	505.0	509.1	529.6	546.1	556.3
65°	447.5	449.6	463.9	482.4	486.5
67.5°	388.0	390.0	404.4	414.7	418.8
70°	332.6	332.6	342.8	351.0	355.1
72.5°	279.2	277.1	283.3	291.5	295.6
75°	223.8	223.8	229.9	234.0	236.1
77.5°	176.5	172.4	176.5	180.7	180.7
80°	129.3	127.3	127.3	129.3	127.3
82.5°	88.3	86.2	88.3	84.2	82.1
85°	49.3	47.2	45.2	41.1	41.1
87.5°	16.4	14.4	14.4	16.4	16.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)