

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: P298419

Luminaire Tested: **D3X-WO-20L92765-LD5-UNV-22-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298419
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-20L92765-LD5-UNV-22-T1-W2A-2700K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1572.0 lumens
Efficiency: N/A
Efficacy: 102.1 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

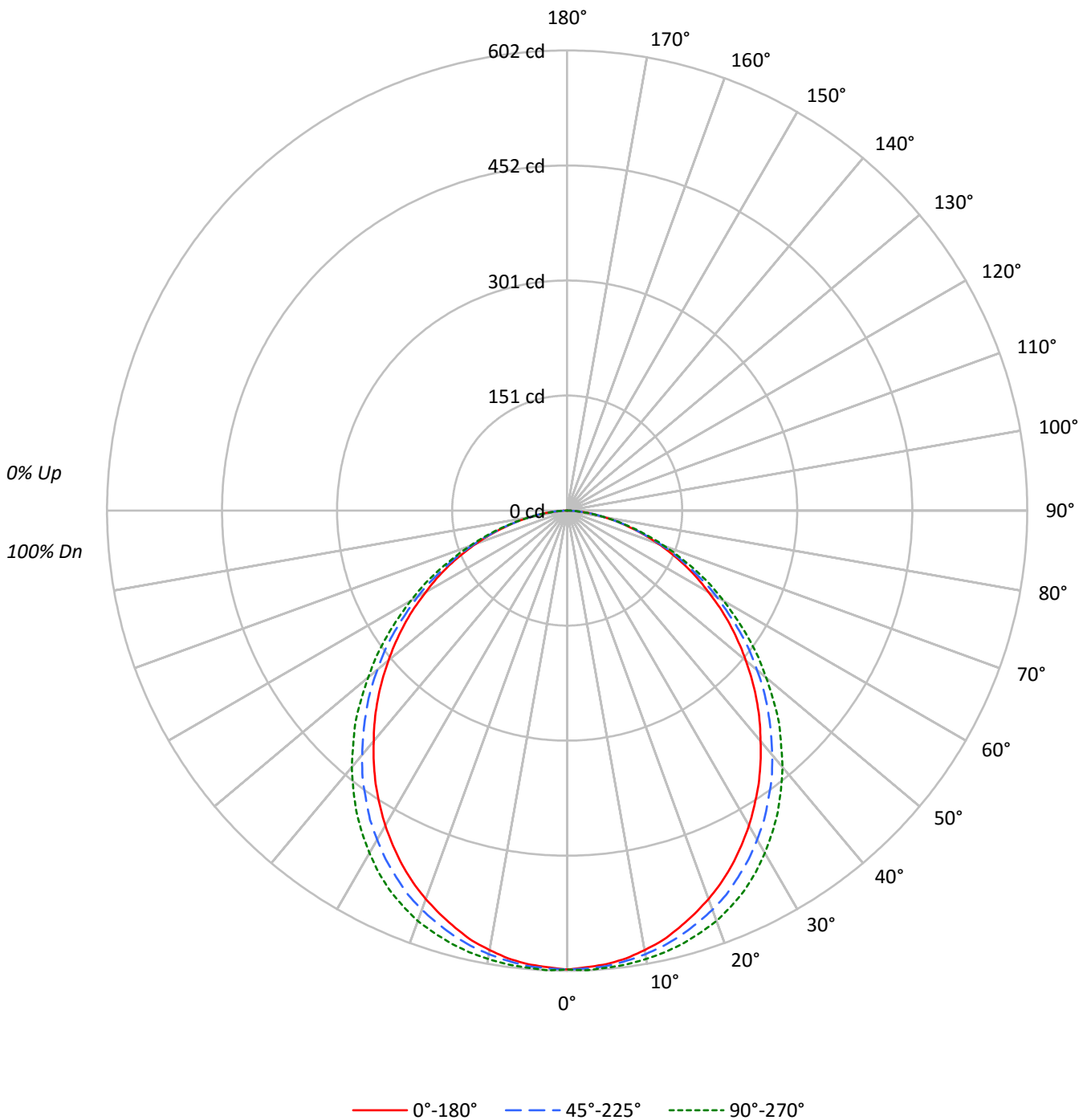
Input Watts (W): 15.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1615	1615	1615
5°	1609	1615	1622
10°	1596	1611	1627
15°	1574	1603	1633
20°	1549	1591	1636
25°	1518	1571	1629
30°	1479	1544	1608
35°	1435	1509	1579
40°	1383	1466	1540
45°	1335	1415	1492
50°	1278	1356	1422
55°	1219	1293	1355
60°	1150	1217	1272
65°	1086	1126	1181
70°	998	1028	1065
75°	887	912	936
80°	764	752	752
85°	580	531	485



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	3.6
10°-20°	162.3	10.3
20°-30°	243.7	15.5
30°-40°	286.8	18.2
40°-50°	286.1	18.2
50°-60°	245.5	15.6
60°-70°	175.8	11.2
70°-80°	93.1	5.9
80°-90°	21.8	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°	462.8	29.4
0°-40°	749.7	47.7
0°-60°	1281.3	81.5
0°-90°	1572.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1572.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	600	600	600	600	600	
5°	596	596	598	600	600	56
15°	565	568	575	583	586	159
25°	511	516	529	542	549	235
35°	437	442	459	475	481	273
45°	351	356	372	385	392	270
55°	260	264	276	285	289	232
65°	171	171	177	184	186	169
75°	85	85	88	89	90	91
85°	19	18	17	16	16	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	600.3	600.3	600.3	600.3	600.3
2.5°	598.0	598.0	599.5	601.1	601.9
5°	595.6	595.6	598.0	599.5	600.3
7.5°	590.9	590.9	594.1	597.2	598.8
10°	583.9	585.5	589.4	594.1	595.6
12.5°	576.1	577.6	583.1	589.4	591.7
15°	565.1	567.5	575.3	583.1	586.2
17.5°	553.4	556.5	565.9	575.3	579.2
20°	540.8	544.0	555.7	566.7	571.4
22.5°	526.8	530.7	544.0	555.7	560.4
25°	511.1	515.8	529.1	542.4	548.7
27.5°	493.9	499.4	514.2	528.3	533.8
30°	475.9	482.1	497.0	511.9	517.4
32.5°	456.3	461.8	479.8	493.9	499.4
35°	436.7	442.2	459.4	475.1	480.6
37.5°	415.6	422.7	439.9	454.0	459.4
40°	393.7	400.7	417.2	433.6	438.3
42.5°	372.6	378.8	394.5	409.4	414.0
45°	350.7	356.1	371.8	385.1	392.1
47.5°	328.0	333.4	349.1	361.6	365.5
50°	305.3	310.7	324.0	335.0	339.7
52.5°	282.6	288.0	300.6	310.7	315.4
55°	259.9	263.8	275.5	284.9	288.8
57.5°	237.2	240.3	249.7	259.9	262.2
60°	213.7	217.6	226.2	233.2	236.4
62.5°	192.5	194.1	201.9	208.2	212.1
65°	170.6	171.4	176.9	183.9	185.5
67.5°	147.9	148.7	154.2	158.1	159.7
70°	126.8	126.8	130.7	133.8	135.4
72.5°	106.4	105.7	108.0	111.1	112.7
75°	85.3	85.3	87.7	89.2	90.0
77.5°	67.3	65.7	67.3	68.9	68.9
80°	49.3	48.5	48.5	49.3	48.5
82.5°	33.7	32.9	33.7	32.1	31.3
85°	18.8	18.0	17.2	15.7	15.7
87.5°	6.3	5.5	5.5	6.3	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)