

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: P298389

Luminaire Tested: **D3X-WO-20L93050-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298389
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-20L93050-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1561.0 lumens
Efficiency: N/A
Efficacy: 98.8 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

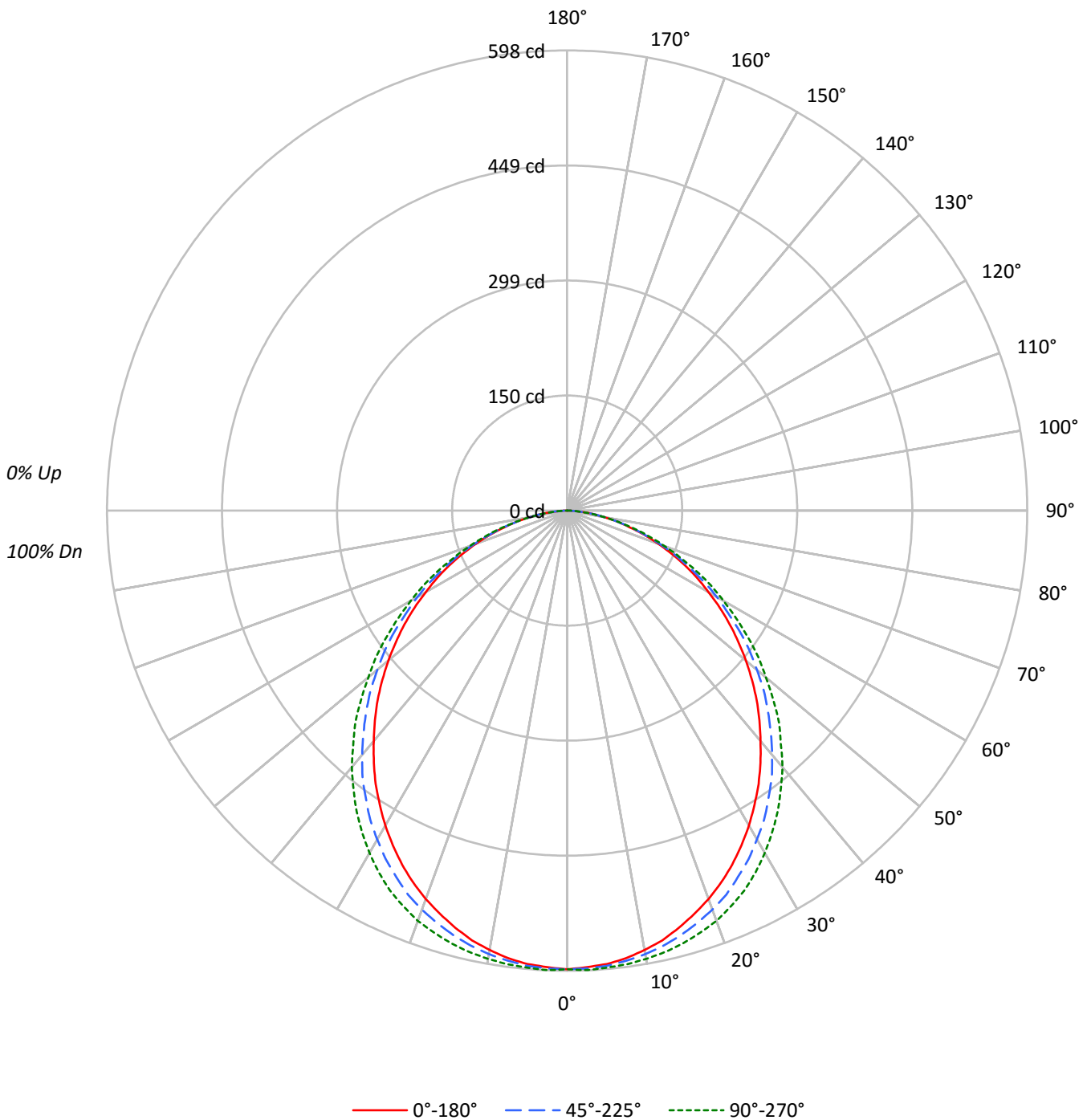
Input Watts (W): 15.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1604	1604	1604
5°	1598	1604	1610
10°	1584	1599	1616
15°	1563	1592	1622
20°	1538	1580	1625
25°	1507	1560	1618
30°	1468	1533	1596
35°	1425	1499	1568
40°	1373	1455	1529
45°	1325	1405	1482
50°	1269	1347	1412
55°	1210	1284	1346
60°	1142	1209	1263
65°	1079	1119	1173
70°	991	1021	1058
75°	881	905	930
80°	759	747	747
85°	577	528	479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	3.6
10°-20°	161.2	10.3
20°-30°	242.0	15.5
30°-40°	284.8	18.2
40°-50°	284.1	18.2
50°-60°	243.8	15.6
60°-70°	174.6	11.2
70°-80°	92.5	5.9
80°-90°	21.6	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°	459.6	29.4
0°-40°	744.4	47.7
0°-60°	1272.3	81.5
0°-90°	1561.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1561.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	596	596	596	596	596	
5°	592	592	594	595	596	56
15°	561	564	571	579	582	158
25°	508	512	525	539	545	234
35°	434	439	456	472	477	271
45°	348	354	369	382	389	268
55°	258	262	274	283	287	231
65°	169	170	176	183	184	167
75°	85	85	87	89	89	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°	596.1	596.1	596.1	596.1	596.1
2.5°	593.8	593.8	595.4	596.9	597.7
5°	591.5	591.5	593.8	595.4	596.1
7.5°	586.8	586.8	589.9	593.0	594.6
10°	579.8	581.4	585.3	589.9	591.5
12.5°	572.0	573.6	579.0	585.3	587.6
15°	561.2	563.5	571.3	579.0	582.1
17.5°	549.5	552.6	561.9	571.3	575.1
20°	537.1	540.2	551.8	562.7	567.4
22.5°	523.1	527.0	540.2	551.8	556.5
25°	507.5	512.2	525.4	538.6	544.8
27.5°	490.4	495.9	510.6	524.6	530.1
30°	472.6	478.8	493.5	508.3	513.7
32.5°	453.1	458.6	476.4	490.4	495.9
35°	433.7	439.1	456.2	471.8	477.2
37.5°	412.7	419.7	436.8	450.8	456.2
40°	390.9	397.9	414.3	430.6	435.2
42.5°	370.0	376.2	391.7	406.5	411.2
45°	348.2	353.6	369.2	382.4	389.4
47.5°	325.7	331.1	346.6	359.1	363.0
50°	303.1	308.6	321.8	332.7	337.3
52.5°	280.6	286.0	298.5	308.6	313.2
55°	258.0	261.9	273.6	282.9	286.8
57.5°	235.5	238.6	247.9	258.0	260.4
60°	212.2	216.1	224.6	231.6	234.7
62.5°	191.2	192.8	200.5	206.7	210.6
65°	169.4	170.2	175.7	182.6	184.2
67.5°	146.9	147.7	153.1	157.0	158.6
70°	125.9	125.9	129.8	132.9	134.5
72.5°	105.7	104.9	107.3	110.4	111.9
75°	84.7	84.7	87.0	88.6	89.4
77.5°	66.8	65.3	66.8	68.4	68.4
80°	49.0	48.2	48.2	49.0	48.2
82.5°	33.4	32.6	33.4	31.9	31.1
85°	18.7	17.9	17.1	15.5	15.5
87.5°	6.2	5.4	5.4	6.2	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)