

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: P298092

Luminaire Tested: **D3X-WD-25L92765-LD5-UNV-22-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-25L92765-LD5-UNV-22-T1-W2A-2700K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1787.0 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

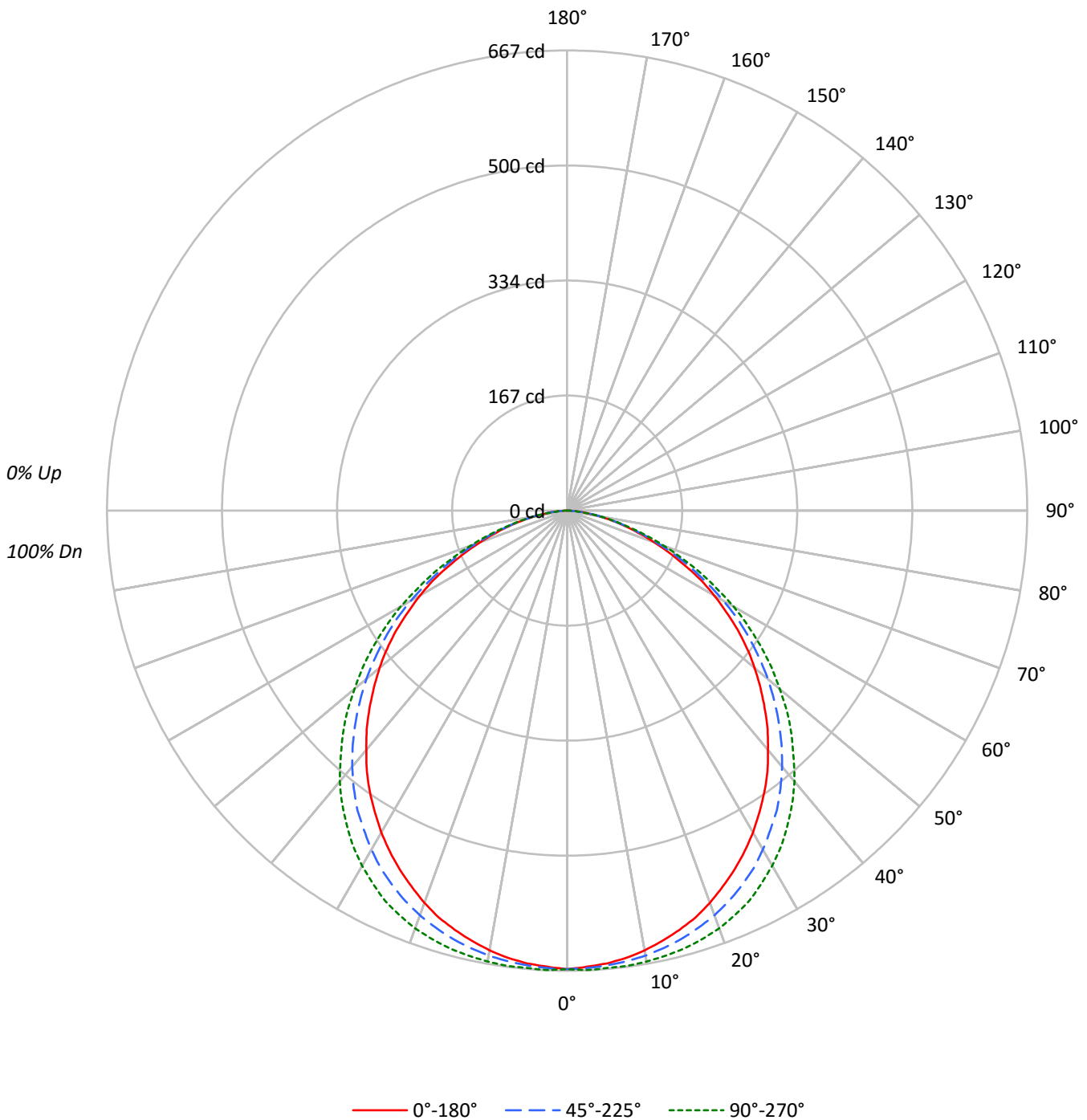
Input Watts (W): 18.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1789	1789	1789
5°	1780	1788	1798
10°	1769	1790	1814
15°	1753	1790	1830
20°	1733	1788	1846
25°	1705	1779	1854
30°	1674	1763	1847
35°	1637	1741	1829
40°	1591	1703	1801
45°	1541	1651	1750
50°	1486	1590	1683
55°	1417	1512	1606
60°	1325	1408	1501
65°	1200	1274	1354
70°	1060	1113	1173
75°	910	931	970
80°	730	745	761
85°	534	475	475



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.0	3.5
10°-20°	181.4	10.2
20°-30°	276.0	15.4
30°-40°	330.2	18.5
40°-50°	333.8	18.7
50°-60°	287.3	16.1
60°-70°	198.3	11.1
70°-80°	96.2	5.4
80°-90°	20.9	1.2
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°	520.4	29.1
0°-40°	850.6	47.6
0°-60°	1471.7	82.4
0°-90°	1787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1787.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	665	665	665	665	665	
5°	659	660	662	665	666	63
15°	629	633	642	652	657	177
25°	574	581	599	618	624	264
35°	498	507	530	549	557	311
45°	405	413	434	452	460	312
55°	302	307	322	337	342	269
65°	188	191	200	209	213	188
75°	88	86	90	92	93	93
85°	17	17	15	15	15	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	664.7	664.7	664.7	664.7	664.7
2.5°	661.8	661.8	663.7	665.6	666.6
5°	658.9	659.8	661.8	664.7	665.6
7.5°	654.1	655.0	658.9	663.7	665.6
10°	647.3	649.3	655.0	660.8	663.7
12.5°	638.7	642.5	649.3	657.0	660.8
15°	629.1	632.9	642.5	652.2	657.0
17.5°	618.5	622.3	633.9	646.4	651.2
20°	605.0	610.8	624.3	638.7	644.5
22.5°	589.6	597.3	612.7	628.1	634.8
25°	574.2	581.0	599.3	617.5	624.3
27.5°	556.9	564.6	584.8	603.1	609.8
30°	538.7	546.3	567.5	587.7	594.4
32.5°	518.5	528.1	548.3	569.4	577.1
35°	498.3	506.9	530.0	549.2	556.9
37.5°	477.1	484.8	507.9	528.1	535.8
40°	453.0	461.7	484.8	505.0	512.7
42.5°	430.0	438.6	459.8	479.0	485.7
45°	405.0	412.6	433.8	452.1	459.8
47.5°	379.9	388.6	406.9	425.2	432.8
50°	354.9	361.7	379.9	397.3	402.1
52.5°	329.0	334.7	351.1	366.5	373.2
55°	302.0	306.8	322.2	336.7	342.4
57.5°	273.2	278.9	293.4	304.0	310.7
60°	246.2	249.1	261.6	272.2	278.9
62.5°	219.3	220.3	229.9	240.5	244.3
65°	188.5	191.4	200.1	208.7	212.6
67.5°	160.6	163.5	170.3	177.0	179.9
70°	134.7	134.7	141.4	146.2	149.1
72.5°	108.7	109.7	114.5	117.3	120.2
75°	87.5	85.6	89.5	92.3	93.3
77.5°	65.4	64.4	67.3	68.3	70.2
80°	47.1	47.1	48.1	49.1	49.1
82.5°	30.8	30.8	31.7	29.8	28.9
85°	17.3	17.3	15.4	15.4	15.4
87.5°	5.8	5.8	5.8	6.7	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)