

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: P297644

Luminaire Tested: **D3X-WD-23L92765-LD5-UNV-14-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-23L92765-LD5-UNV-14-T1-W2A-2700K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1761.0 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

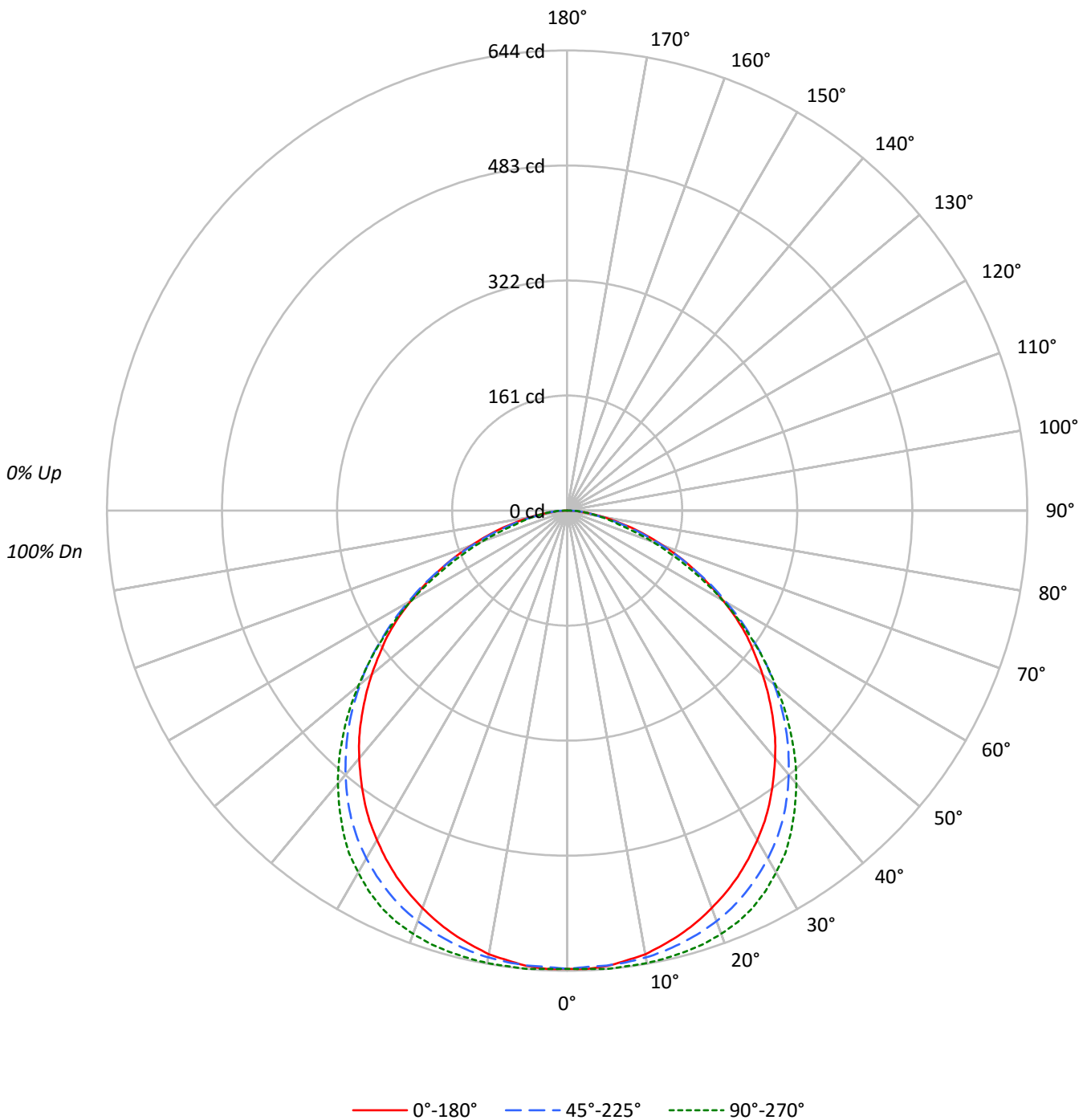
Input Watts (W): 20.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297644

CATALOG NUMBER: D3X-WD-23L92765-LD5-UNV-14-T1-W2A-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P297644

CATALOG NUMBER: D3X-WD-23L92765-LD5-UNV-14-T1-W2A-2700K

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	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1726	1726	1726
5°	1729	1726	1739
10°	1723	1735	1757
15°	1710	1743	1780
20°	1695	1751	1805
25°	1678	1753	1823
30°	1654	1746	1817
35°	1627	1730	1797
40°	1591	1696	1754
45°	1547	1648	1687
50°	1494	1583	1596
55°	1442	1497	1490
60°	1358	1387	1354
65°	1251	1256	1186
70°	1120	1094	996
75°	972	908	768
80°	779	707	707
85°	559	655	679



TEST NUMBER: P297644

CATALOG NUMBER: D3X-WD-23L92765-LD5-UNV-14-T1-W2A-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	3.5
10°-20°	177.1	10.1
20°-30°	271.9	15.4
30°-40°	327.4	18.6
40°-50°	330.9	18.8
50°-60°	282.2	16.0
60°-70°	193.2	11.0
70°-80°	93.2	5.3
80°-90°	24.0	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°	509.9	29.0
0°-40°	837.4	47.6
0°-60°	1450.5	82.4
0°-90°	1761.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1761.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	641	641	641	641	641	
5°	640	640	639	643	644	61
15°	614	619	626	637	639	173
25°	565	574	590	608	614	260
35°	495	506	527	543	547	309
45°	406	417	433	443	443	313
55°	307	313	319	321	318	274
65°	196	199	197	190	186	195
75°	94	94	87	77	74	99
85°	18	20	21	22	22	22
90°	0	0	0	0	0	



TEST NUMBER: P297644

CATALOG NUMBER: D3X-WD-23L92765-LD5-UNV-14-T1-W2A-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	641.4	641.4	641.4	641.4	641.4
2.5°	642.2	641.4	639.1	642.2	642.2
5°	639.9	639.9	639.1	643.0	643.8
7.5°	635.1	636.7	637.5	642.2	643.0
10°	630.4	632.0	635.1	641.4	643.0
12.5°	622.6	625.7	631.2	639.9	641.4
15°	613.9	618.6	625.7	636.7	639.1
17.5°	603.7	610.0	619.4	632.0	635.9
20°	591.9	599.0	611.6	625.7	630.4
22.5°	579.3	587.2	602.1	618.6	623.4
25°	565.2	573.8	590.3	607.6	613.9
27.5°	549.5	558.9	577.0	595.1	600.6
30°	532.2	542.4	562.0	580.1	584.8
32.5°	514.9	525.1	545.5	562.8	568.3
35°	495.2	506.2	526.7	543.2	547.1
37.5°	474.0	485.0	505.4	522.0	523.5
40°	452.8	463.8	482.7	497.6	499.2
42.5°	430.8	441.0	458.3	470.9	472.4
45°	406.4	417.4	433.1	443.3	443.3
47.5°	382.0	393.0	406.4	413.5	413.5
50°	356.9	367.1	378.1	382.0	381.2
52.5°	331.7	341.2	350.6	351.4	349.8
55°	307.4	312.9	319.1	320.7	317.6
57.5°	280.6	285.3	289.3	286.9	284.6
60°	252.3	257.0	257.8	253.9	251.5
62.5°	224.8	228.7	228.7	222.5	218.5
65°	196.5	198.9	197.3	190.2	186.3
67.5°	169.8	171.4	168.2	161.1	154.9
70°	142.3	143.1	139.1	130.5	126.6
72.5°	117.1	117.9	113.2	103.0	98.3
75°	93.5	93.5	87.3	77.0	73.9
77.5°	70.0	72.3	65.2	59.7	59.7
80°	50.3	52.7	45.6	46.4	45.6
82.5°	33.0	35.4	33.0	33.0	33.0
85°	18.1	19.7	21.2	22.0	22.0
87.5°	5.5	9.4	10.2	11.0	12.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)