

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: P297725

Luminaire Tested: **D3X-WG-26L82765-LD5-UNV-14-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-26L82765-LD5-UNV-14-T1-W2A-3500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2474.0 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

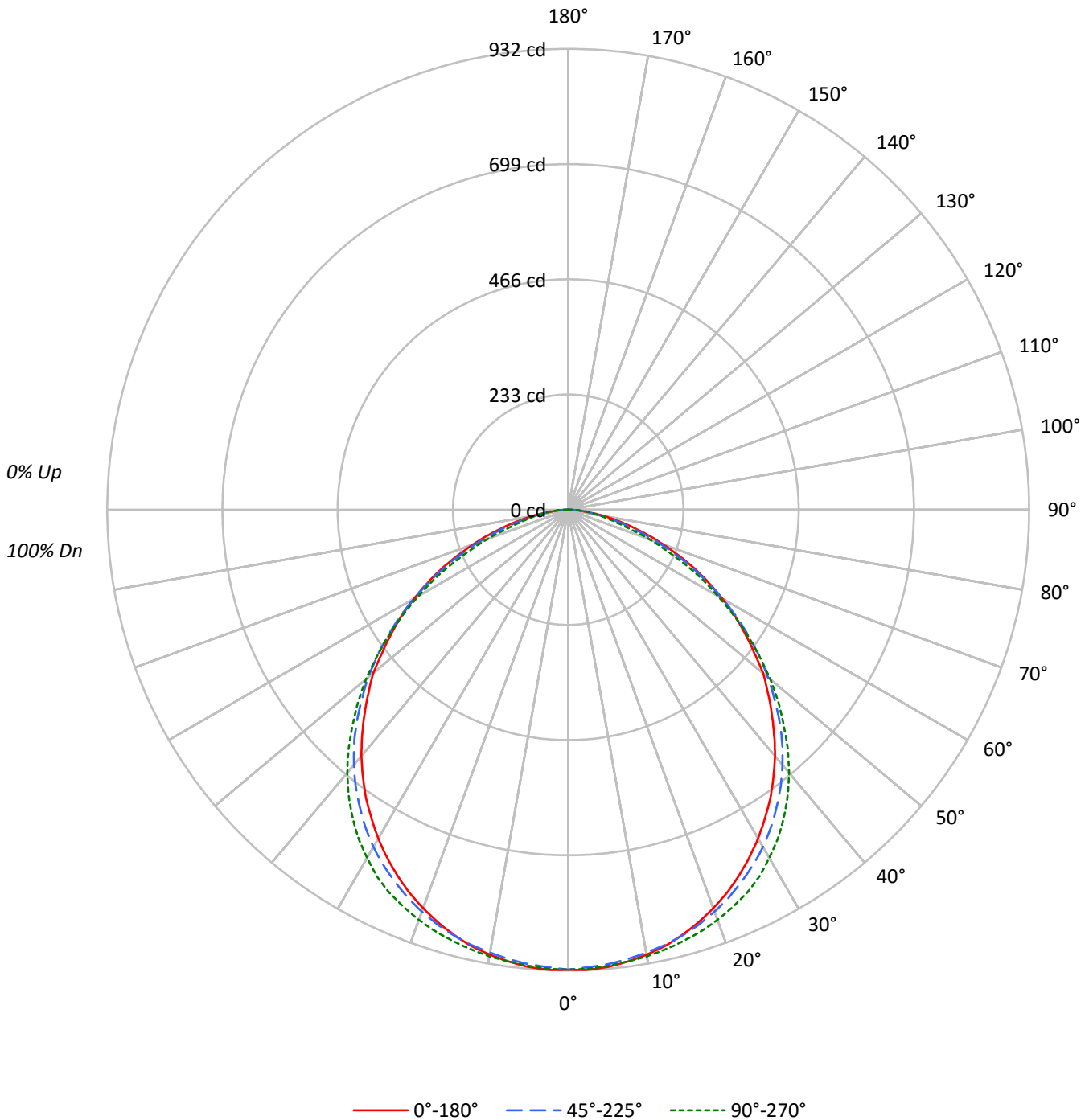
Input Watts (W): 23.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		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	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	35	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°	2504	2504	2504
5°	2507	2492	2501
10°	2497	2485	2506
15°	2481	2484	2515
20°	2455	2478	2528
25°	2424	2464	2539
30°	2386	2448	2527
35°	2341	2413	2497
40°	2285	2367	2441
45°	2214	2299	2345
50°	2153	2209	2233
55°	2045	2086	2076
60°	1935	1935	1882
65°	1796	1754	1656
70°	1593	1523	1375
75°	1381	1254	1058
80°	1131	978	961
85°	750	889	957



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.0	3.6
10°-20°	252.5	10.2
20°-30°	383.8	15.5
30°-40°	459.5	18.6
40°-50°	463.5	18.7
50°-60°	394.8	16.0
60°-70°	270.0	10.9
70°-80°	129.3	5.2
80°-90°	32.8	1.3
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°	724.3	29.3
0°-40°	1183.8	47.8
0°-60°	2042.1	82.5
0°-90°	2474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2474.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	930	930	930	930	930	
5°	928	927	923	927	926	88
15°	891	888	892	902	903	251
25°	816	818	830	849	855	376
35°	712	715	735	756	760	445
45°	582	586	604	616	616	449
55°	436	438	445	446	442	390
65°	282	277	276	266	260	278
75°	133	130	121	105	102	142
85°	24	27	29	30	31	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	930.4	930.4	930.4	930.4	930.4
2.5°	931.5	930.4	926.0	930.4	929.3
5°	928.2	927.1	922.7	927.1	926.0
7.5°	921.6	920.5	917.1	921.6	921.6
10°	913.8	911.6	909.4	916.0	917.1
12.5°	903.9	901.7	901.7	909.4	910.5
15°	890.6	888.4	891.7	901.7	902.8
17.5°	875.1	874.0	879.5	891.7	893.9
20°	857.4	856.3	865.2	879.5	882.9
22.5°	838.6	838.6	848.6	865.2	869.6
25°	816.5	817.6	829.7	848.6	855.2
27.5°	793.2	795.5	809.8	830.9	836.4
30°	767.8	771.1	787.7	807.6	813.2
32.5°	740.1	743.5	762.3	783.3	788.8
35°	712.5	714.7	734.6	755.6	760.1
37.5°	681.5	684.8	705.8	724.6	729.1
40°	650.5	653.8	673.8	691.5	694.8
42.5°	616.2	620.7	640.6	654.9	657.2
45°	581.9	586.4	604.1	616.2	616.2
47.5°	547.6	549.8	565.3	577.5	576.4
50°	514.4	513.3	527.7	533.3	533.3
52.5°	473.5	476.8	486.8	490.1	486.8
55°	435.9	438.1	444.7	445.9	442.5
57.5°	399.4	398.3	403.8	400.5	396.1
60°	359.6	359.6	359.6	356.2	349.6
62.5°	320.8	318.6	317.5	309.8	306.5
65°	282.1	276.6	275.5	265.5	260.0
67.5°	241.2	239.0	233.4	223.5	213.5
70°	202.5	200.2	193.6	181.4	174.8
72.5°	167.1	164.8	156.0	141.6	132.8
75°	132.8	130.5	120.6	105.1	101.8
77.5°	100.7	99.6	89.6	81.9	80.8
80°	73.0	71.9	63.1	63.1	62.0
82.5°	46.5	46.5	44.3	45.4	46.5
85°	24.3	26.6	28.8	29.9	31.0
87.5°	7.7	12.2	14.4	15.5	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)