

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: P297588

Luminaire Tested: **D3X-WD-26L82765-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297588
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-26L82765-LD5-UNV-14-T1-W2A-5000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2612.0 lumens
Efficiency: N/A
Efficacy: 107.0 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

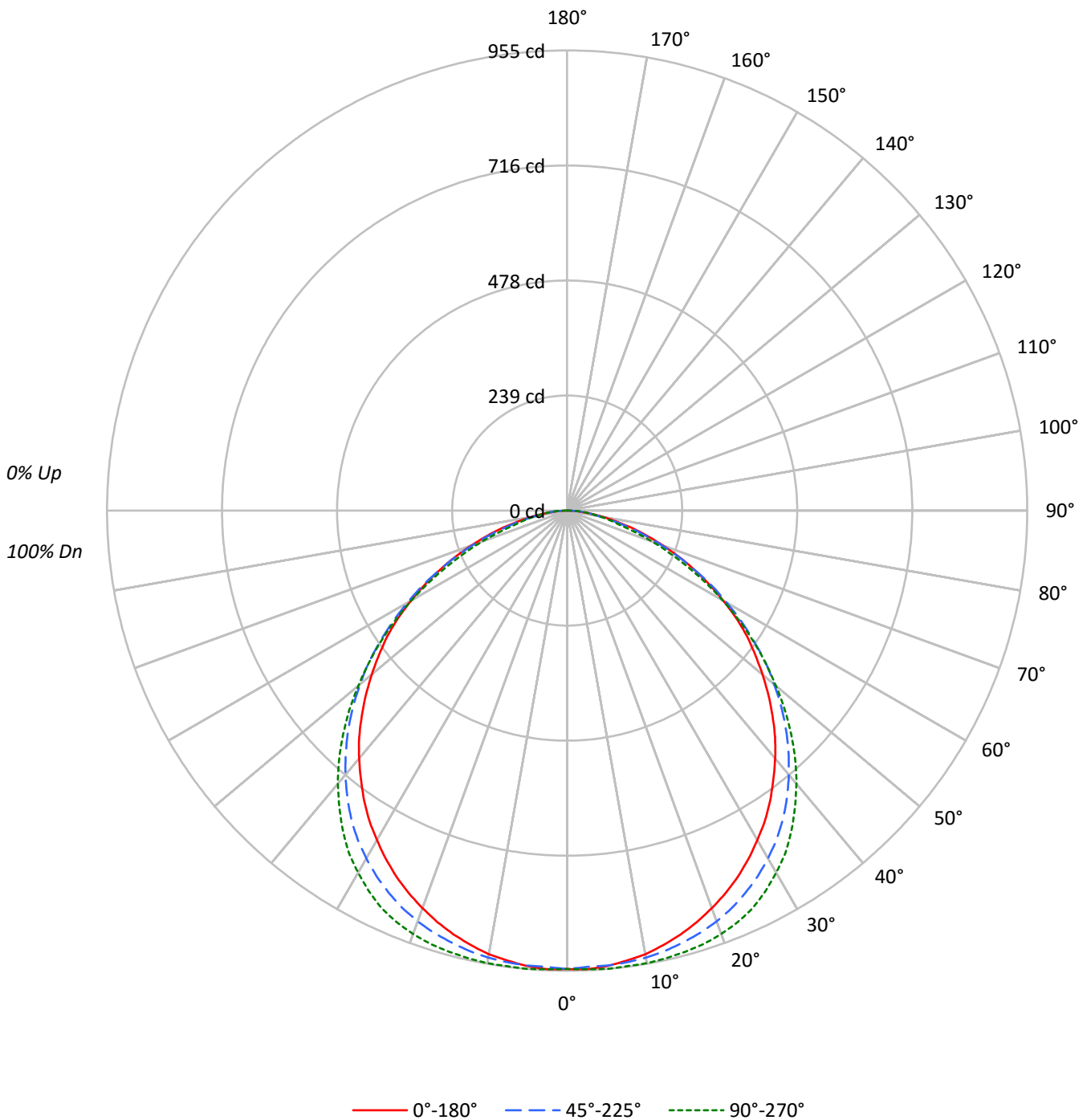
Input Watts (W): 24.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2560	2560	2560
5°	2564	2561	2579
10°	2555	2574	2606
15°	2537	2586	2641
20°	2514	2598	2678
25°	2489	2600	2704
30°	2453	2591	2696
35°	2413	2566	2666
40°	2359	2515	2601
45°	2294	2445	2503
50°	2216	2348	2367
55°	2139	2221	2210
60°	2014	2058	2008
65°	1856	1864	1759
70°	1660	1624	1477
75°	1442	1345	1140
80°	1156	1048	1048
85°	827	973	1007



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	3.5
10°-20°	262.6	10.1
20°-30°	403.3	15.4
30°-40°	485.7	18.6
40°-50°	490.8	18.8
50°-60°	418.6	16.0
60°-70°	286.6	11.0
70°-80°	138.3	5.3
80°-90°	35.6	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°	756.4	29.0
0°-40°	1242.1	47.6
0°-60°	2151.5	82.4
0°-90°	2612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2612.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	951	951	951	951	951	
5°	949	949	948	954	955	90
15°	911	918	928	944	948	257
25°	838	851	876	901	911	386
35°	734	751	781	806	812	459
45°	603	619	642	658	658	465
55°	456	464	473	476	471	406
65°	292	295	293	282	276	289
75°	139	139	129	114	110	147
85°	27	29	32	33	33	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	951.4	951.4	951.4	951.4	951.4
2.5°	952.6	951.4	947.9	952.6	952.6
5°	949.1	949.1	947.9	953.7	954.9
7.5°	942.1	944.4	945.6	952.6	953.7
10°	935.1	937.4	942.1	951.4	953.7
12.5°	923.4	928.1	936.3	949.1	951.4
15°	910.6	917.6	928.1	944.4	947.9
17.5°	895.4	904.8	918.8	937.4	943.2
20°	878.0	888.5	907.1	928.1	935.1
22.5°	859.3	871.0	893.1	917.6	924.6
25°	838.3	851.1	875.6	901.3	910.6
27.5°	815.0	829.0	855.8	882.6	890.8
30°	789.3	804.5	833.7	860.5	867.5
32.5°	763.7	778.9	809.2	834.8	843.0
35°	734.5	750.9	781.2	805.7	811.5
37.5°	703.1	719.4	749.7	774.2	776.5
40°	671.6	687.9	715.9	738.0	740.4
42.5°	638.9	654.1	679.7	698.4	700.7
45°	602.8	619.1	642.4	657.6	657.6
47.5°	566.6	583.0	602.8	613.3	613.3
50°	529.3	544.5	560.8	566.6	565.5
52.5°	492.0	506.0	520.0	521.2	518.8
55°	455.9	464.0	473.4	475.7	471.0
57.5°	416.2	423.2	429.1	425.6	422.1
60°	374.3	381.3	382.4	376.6	373.1
62.5°	333.5	339.3	339.3	330.0	324.1
65°	291.5	295.0	292.7	282.2	276.3
67.5°	251.8	254.2	249.5	239.0	229.7
70°	211.0	212.2	206.4	193.5	187.7
72.5°	173.7	174.9	167.9	152.7	145.7
75°	138.7	138.7	129.4	114.3	109.6
77.5°	103.8	107.3	96.8	88.6	88.6
80°	74.6	78.1	67.6	68.8	67.6
82.5°	49.0	52.5	49.0	49.0	49.0
85°	26.8	29.1	31.5	32.6	32.6
87.5°	8.2	14.0	15.2	16.3	18.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)