

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: P297787

Luminaire Tested: **D3X-WG-23L92765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297787  
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-23L92765-LD5-UNV-14-T1-W2A-4000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1982.0 lumens  
Efficiency: N/A  
Efficacy: 94.8 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

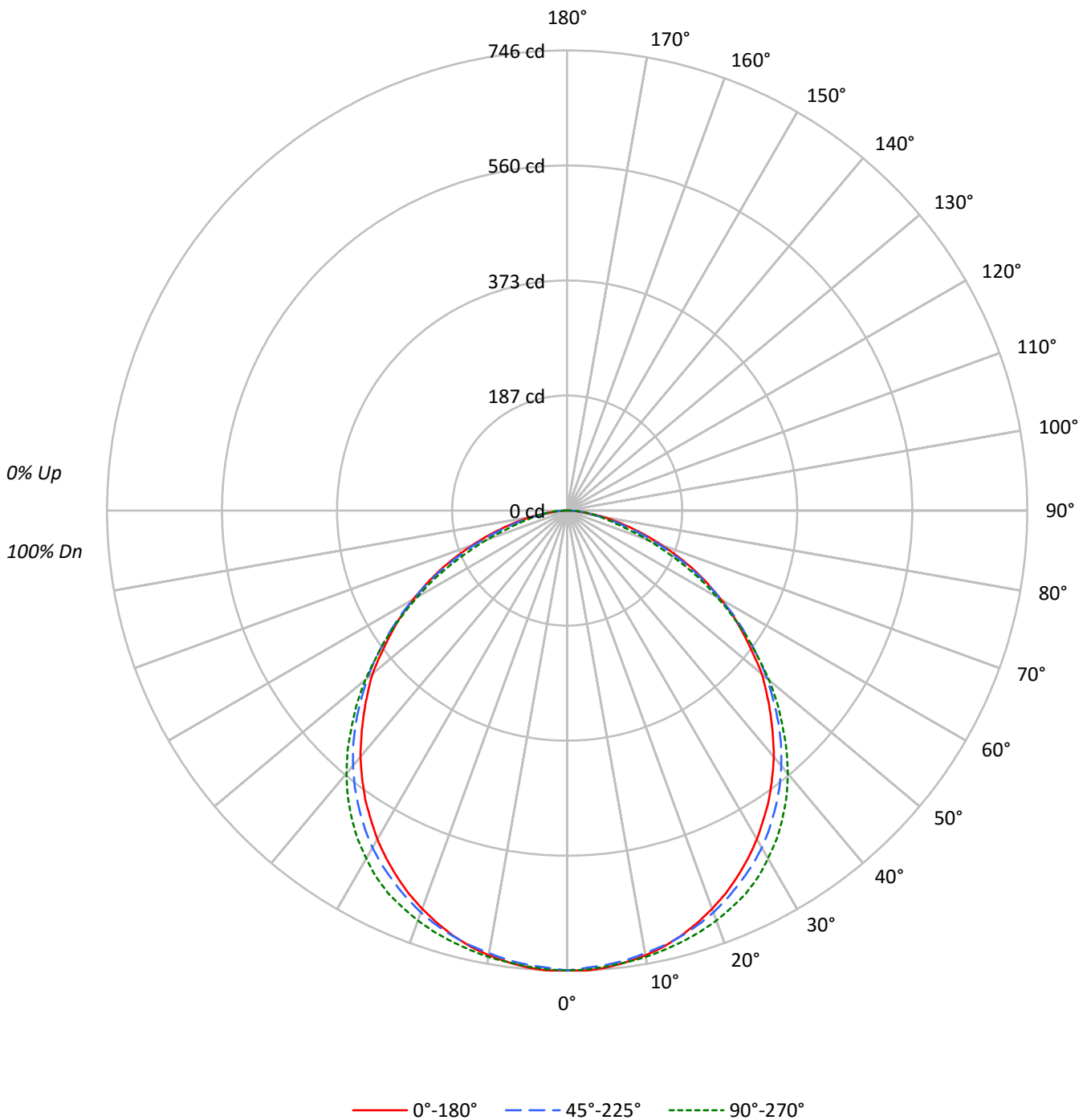
Input Watts (W): 20.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2006	2006	2006
5°	2009	1997	2004
10°	2000	1991	2008
15°	1988	1990	2015
20°	1967	1985	2025
25°	1942	1974	2034
30°	1911	1961	2024
35°	1875	1933	2000
40°	1831	1896	1955
45°	1774	1842	1879
50°	1725	1770	1788
55°	1638	1672	1663
60°	1551	1551	1507
65°	1439	1405	1326
70°	1276	1220	1102
75°	1106	1004	847
80°	907	783	769
85°	602	710	766



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.5	3.6
10°-20°	202.3	10.2
20°-30°	307.5	15.5
30°-40°	368.1	18.6
40°-50°	371.3	18.7
50°-60°	316.3	16.0
60°-70°	216.3	10.9
70°-80°	103.6	5.2
80°-90°	26.2	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°	580.2	29.3
0°-40°	948.4	47.8
0°-60°	1636.0	82.5
0°-90°	1982.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1982.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	745	745	745	745	745	
5°	744	743	739	743	742	71
15°	714	712	714	722	723	201
25°	654	655	665	680	685	301
35°	571	573	588	605	609	357
45°	466	470	484	494	494	360
55°	349	351	356	357	354	313
65°	226	222	221	213	208	223
75°	106	105	97	84	82	114
85°	20	21	23	24	25	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	745.4	745.4	745.4	745.4	745.4
2.5°	746.3	745.4	741.8	745.4	744.5
5°	743.6	742.7	739.2	742.7	741.8
7.5°	738.3	737.4	734.8	738.3	738.3
10°	732.1	730.3	728.6	733.9	734.8
12.5°	724.1	722.3	722.3	728.6	729.4
15°	713.5	711.7	714.4	722.3	723.2
17.5°	701.1	700.2	704.6	714.4	716.1
20°	686.9	686.0	693.1	704.6	707.3
22.5°	671.8	671.8	679.8	693.1	696.6
25°	654.1	655.0	664.7	679.8	685.1
27.5°	635.5	637.3	648.8	665.6	670.1
30°	615.1	617.8	631.1	647.0	651.4
32.5°	592.9	595.6	610.7	627.5	631.9
35°	570.8	572.6	588.5	605.4	608.9
37.5°	546.0	548.6	565.5	580.5	584.1
40°	521.2	523.8	539.8	553.9	556.6
42.5°	493.7	497.2	513.2	524.7	526.5
45°	466.2	469.7	483.9	493.7	493.7
47.5°	438.7	440.5	452.9	462.7	461.8
50°	412.1	411.3	422.8	427.2	427.2
52.5°	379.3	382.0	390.0	392.6	390.0
55°	349.2	351.0	356.3	357.2	354.5
57.5°	320.0	319.1	323.5	320.8	317.3
60°	288.1	288.1	288.1	285.4	280.1
62.5°	257.0	255.3	254.4	248.2	245.5
65°	226.0	221.6	220.7	212.7	208.3
67.5°	193.2	191.4	187.0	179.0	171.1
70°	162.2	160.4	155.1	145.4	140.0
72.5°	133.8	132.1	125.0	113.4	106.4
75°	106.4	104.6	96.6	84.2	81.5
77.5°	80.7	79.8	71.8	65.6	64.7
80°	58.5	57.6	50.5	50.5	49.6
82.5°	37.2	37.2	35.5	36.3	37.2
85°	19.5	21.3	23.0	23.9	24.8
87.5°	6.2	9.7	11.5	12.4	11.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)