

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: P297904

Luminaire Tested: **D3X-WO-26L93050-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297904  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-26L93050-LD5-UNV-14-T1-W2A-3000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2079.0 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

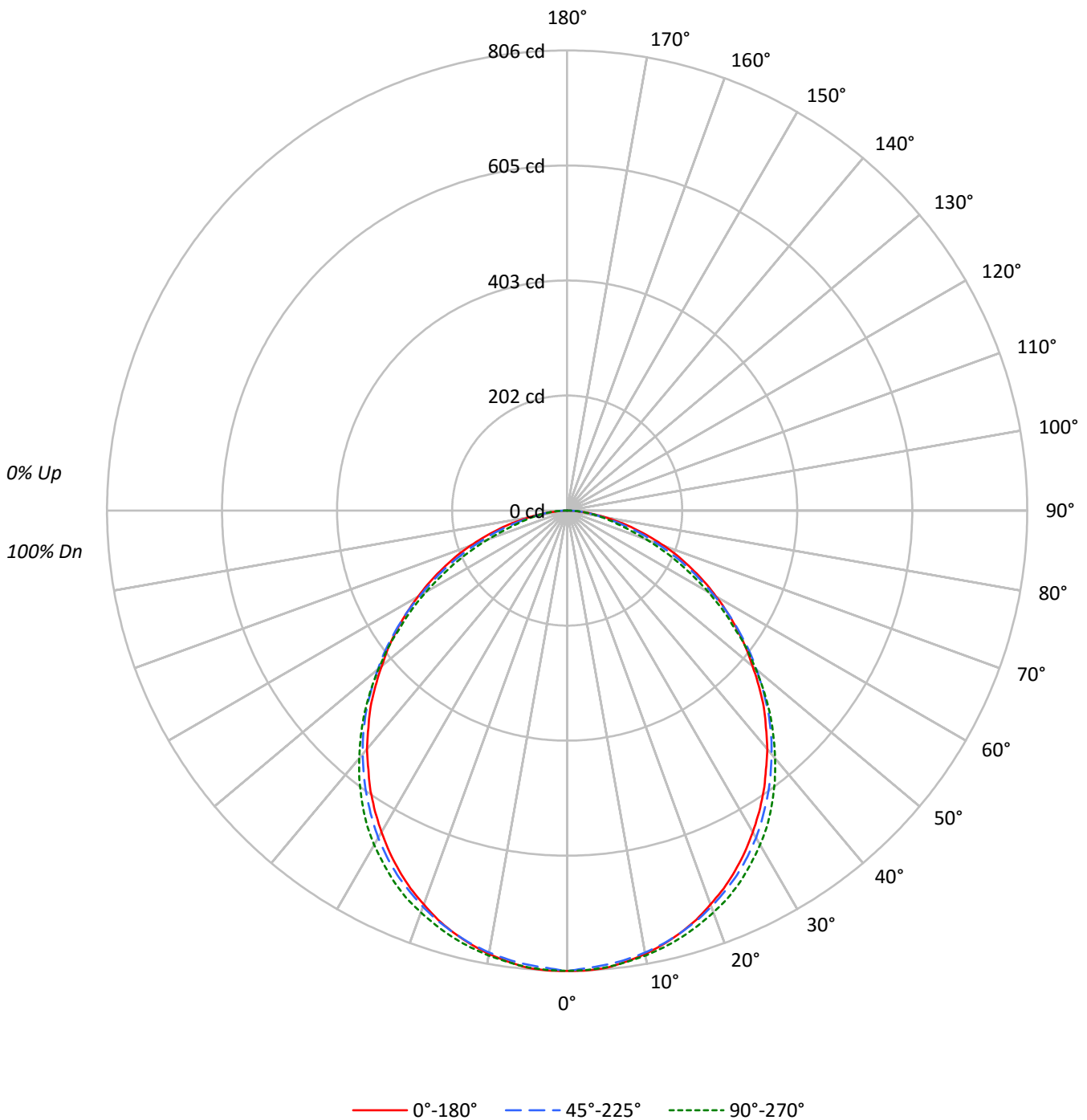
Input Watts (W): 24.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	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	72
3	91	81	73	67	89	79	72	66	77	70	65		74	68	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	49		59	53	48		58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2170	2170	2170
5°	2171	2157	2169
10°	2155	2148	2162
15°	2133	2133	2156
20°	2102	2115	2145
25°	2067	2091	2130
30°	2021	2056	2100
35°	1972	2009	2055
40°	1916	1957	1991
45°	1854	1895	1912
50°	1775	1811	1804
55°	1708	1720	1674
60°	1622	1598	1537
65°	1532	1470	1369
70°	1422	1304	1158
75°	1264	1118	953
80°	1052	914	888
85°	763	815	815



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.1	3.7
10°-20°	216.8	10.4
20°-30°	324.9	15.6
30°-40°	382.8	18.4
40°-50°	381.8	18.4
50°-60°	324.7	15.6
60°-70°	226.6	10.9
70°-80°	115.2	5.5
80°-90°	30.1	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°	617.8	29.7
0°-40°	1000.5	48.1
0°-60°	1707.1	82.1
0°-90°	2079.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2079.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	806	806	806	806	806	
5°	804	802	798	803	803	76
15°	766	766	766	773	774	216
25°	696	697	704	715	717	320
35°	600	601	612	624	626	375
45°	487	489	498	501	502	375
55°	364	364	367	361	357	325
65°	241	237	231	219	215	239
75°	122	117	108	94	92	129
85°	25	26	26	26	26	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	806.4	806.4	806.4	806.4	806.4
2.5°	806.4	805.5	802.0	805.5	805.5
5°	803.7	802.0	798.4	802.8	802.8
7.5°	796.7	795.8	793.2	797.6	797.6
10°	788.7	787.9	786.1	791.4	791.4
12.5°	778.2	778.2	777.3	782.6	783.5
15°	765.8	765.8	765.8	772.9	773.8
17.5°	751.7	750.9	753.5	761.4	762.3
20°	734.1	735.0	738.5	747.3	749.1
22.5°	716.5	717.4	721.8	732.3	735.0
25°	696.2	697.1	704.1	714.7	717.4
27.5°	674.2	675.9	683.9	695.3	697.1
30°	650.4	652.1	661.8	673.3	675.9
32.5°	625.7	628.4	637.2	649.5	653.0
35°	600.2	601.0	611.6	623.9	625.7
37.5°	572.0	574.6	585.2	595.7	597.5
40°	545.5	547.3	557.0	565.8	566.7
42.5°	515.5	518.2	528.8	534.9	534.9
45°	487.3	489.1	497.9	501.4	502.3
47.5°	455.6	457.4	465.3	467.1	467.1
50°	423.9	428.3	432.7	432.7	430.9
52.5°	394.8	395.7	401.0	397.5	395.7
55°	364.0	364.0	366.6	361.3	356.9
57.5°	333.1	333.1	333.1	326.1	322.5
60°	301.4	300.5	297.0	288.2	285.5
62.5°	271.4	268.8	263.5	254.7	249.4
65°	240.6	237.1	230.9	218.6	215.0
67.5°	211.5	205.3	198.3	186.8	180.7
70°	180.7	175.4	165.7	152.5	147.2
72.5°	150.7	145.4	137.5	124.3	116.3
75°	121.6	117.2	107.5	94.3	91.7
77.5°	93.4	90.8	81.1	74.9	74.0
80°	67.9	67.0	59.0	57.3	57.3
82.5°	44.9	44.1	41.4	41.4	40.5
85°	24.7	25.6	26.4	26.4	26.4
87.5°	8.8	10.6	12.3	12.3	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)