

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: P297947

Luminaire Tested: **D3X-WO-31L92765-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297947
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-31L92765-LD5-UNV-14-T1-W2A-5000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2884.0 lumens
Efficiency: N/A
Efficacy: 99.8 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

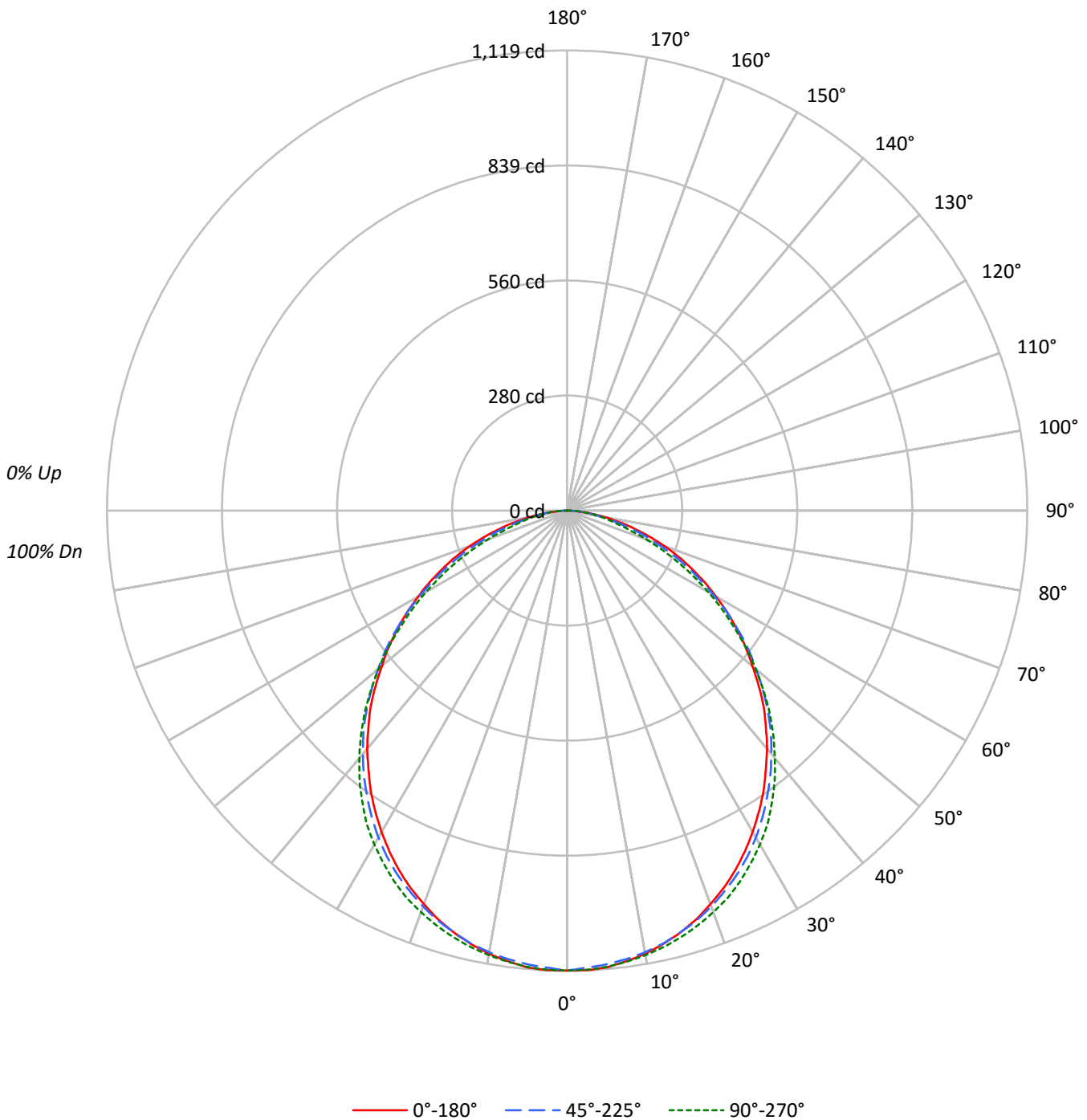
Input Watts (W): 28.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3010	3010	3010
5°	3012	2992	3008
10°	2990	2980	3000
15°	2960	2960	2990
20°	2916	2934	2976
25°	2868	2900	2955
30°	2803	2853	2914
35°	2735	2787	2851
40°	2658	2714	2761
45°	2573	2629	2652
50°	2462	2513	2503
55°	2369	2386	2323
60°	2250	2217	2132
65°	2125	2039	1899
70°	1972	1808	1607
75°	1754	1550	1321
80°	1458	1269	1232
85°	1056	1133	1133



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.6	3.7
10°-20°	300.7	10.4
20°-30°	450.7	15.6
30°-40°	531.0	18.4
40°-50°	529.6	18.4
50°-60°	450.5	15.6
60°-70°	314.4	10.9
70°-80°	159.8	5.5
80°-90°	41.7	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°	857.0	29.7
0°-40°	1388.0	48.1
0°-60°	2368.1	82.1
0°-90°	2884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2884.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1119	1119	1119	1119	1119	
5°	1115	1112	1108	1114	1114	106
15°	1062	1062	1062	1072	1073	299
25°	966	967	977	992	995	445
35°	832	834	848	866	868	520
45°	676	678	691	696	697	520
55°	505	505	509	501	495	451
65°	334	329	320	303	298	331
75°	169	163	149	131	127	179
85°	34	36	37	37	37	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1118.6	1118.6	1118.6	1118.6	1118.6
2.5°	1118.6	1117.4	1112.5	1117.4	1117.4
5°	1114.9	1112.5	1107.6	1113.7	1113.7
7.5°	1105.2	1103.9	1100.3	1106.4	1106.4
10°	1094.2	1092.9	1090.5	1097.8	1097.8
12.5°	1079.5	1079.5	1078.3	1085.6	1086.8
15°	1062.4	1062.4	1062.4	1072.1	1073.4
17.5°	1042.8	1041.6	1045.3	1056.3	1057.5
20°	1018.4	1019.6	1024.5	1036.7	1039.1
22.5°	993.9	995.1	1001.2	1015.9	1019.6
25°	965.8	967.0	976.8	991.5	995.1
27.5°	935.2	937.7	948.7	964.6	967.0
30°	902.2	904.7	918.1	934.0	937.7
32.5°	868.0	871.7	883.9	901.0	905.9
35°	832.5	833.8	848.4	865.5	868.0
37.5°	793.4	797.1	811.8	826.4	828.9
40°	756.7	759.2	772.6	784.9	786.1
42.5°	715.2	718.8	733.5	742.1	742.1
45°	676.1	678.5	690.7	695.6	696.8
47.5°	632.0	634.5	645.5	647.9	647.9
50°	588.0	594.1	600.3	600.3	597.8
52.5°	547.7	548.9	556.2	551.4	548.9
55°	504.9	504.9	508.6	501.2	495.1
57.5°	462.1	462.1	462.1	452.3	447.4
60°	418.1	416.9	412.0	399.8	396.1
62.5°	376.5	372.9	365.5	353.3	346.0
65°	333.7	328.9	320.3	303.2	298.3
67.5°	293.4	284.8	275.1	259.2	250.6
70°	250.6	243.3	229.8	211.5	204.2
72.5°	209.1	201.7	190.7	172.4	161.4
75°	168.7	162.6	149.1	130.8	127.1
77.5°	129.6	125.9	112.5	103.9	102.7
80°	94.1	92.9	81.9	79.5	79.5
82.5°	62.3	61.1	57.5	57.5	56.2
85°	34.2	35.5	36.7	36.7	36.7
87.5°	12.2	14.7	17.1	17.1	17.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)