

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: P297558

Luminaire Tested: **D3X-WD-26L83050-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297558
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-26L83050-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: 2689.0 lumens
Efficiency: N/A
Efficacy: 107.6 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

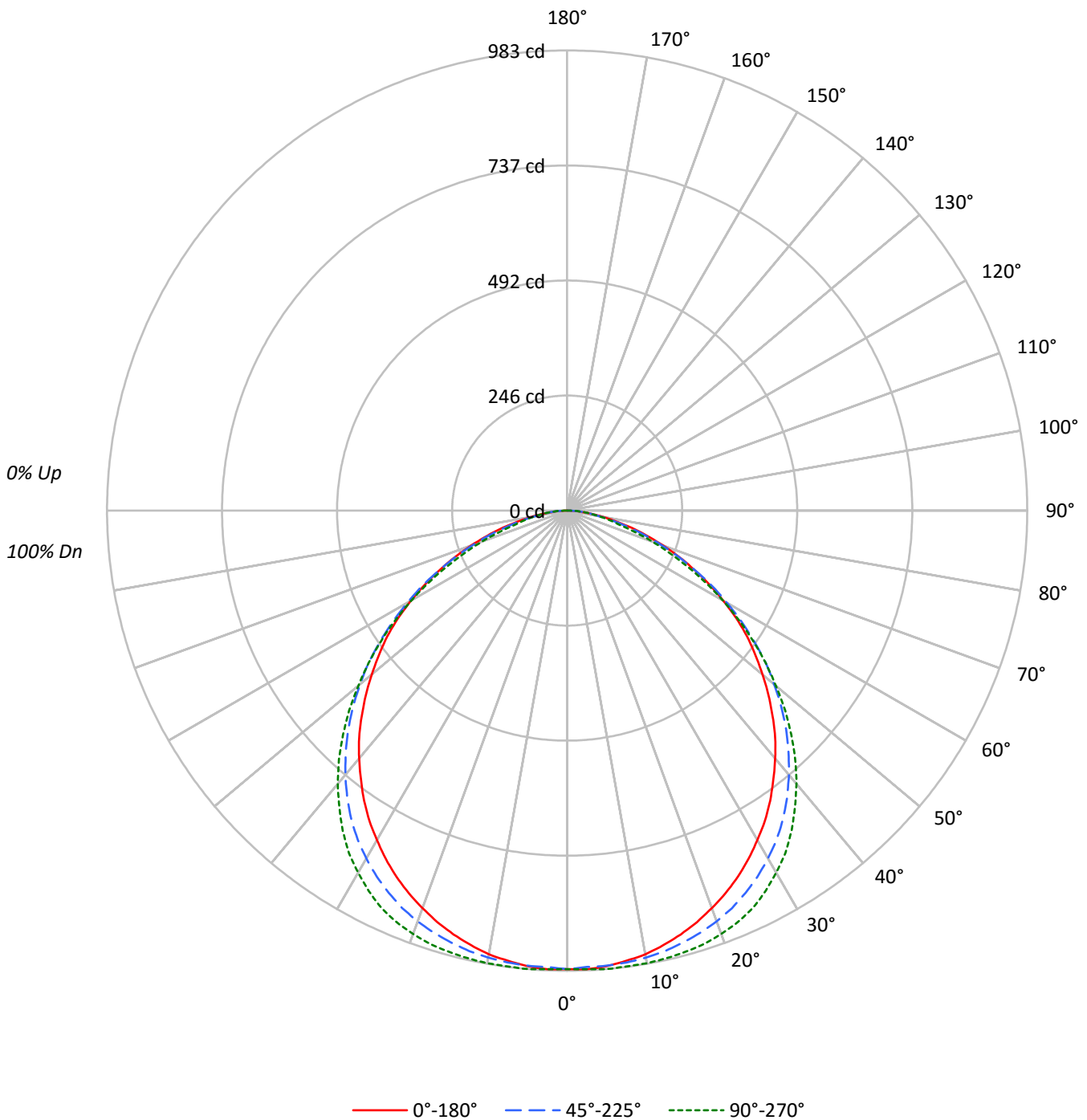
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	96	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2636	2636	2636
5°	2639	2636	2656
10°	2631	2650	2683
15°	2612	2662	2719
20°	2588	2674	2757
25°	2562	2676	2783
30°	2525	2667	2775
35°	2484	2642	2744
40°	2429	2589	2677
45°	2362	2517	2576
50°	2281	2417	2437
55°	2202	2286	2275
60°	2074	2119	2067
65°	1911	1918	1812
70°	1710	1672	1521
75°	1485	1385	1173
80°	1190	1079	1079
85°	852	1000	1037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	3.5
10°-20°	270.4	10.1
20°-30°	415.1	15.4
30°-40°	500.0	18.6
40°-50°	505.3	18.8
50°-60°	431.0	16.0
60°-70°	295.0	11.0
70°-80°	142.3	5.3
80°-90°	36.7	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°	778.7	29.0
0°-40°	1278.7	47.6
0°-60°	2214.9	82.4
0°-90°	2689.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2689.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	980	980	980	980	980	
5°	977	977	976	982	983	93
15°	937	945	956	972	976	264
25°	863	876	901	928	937	397
35°	756	773	804	829	835	473
45°	621	637	661	677	677	479
55°	469	478	487	490	485	418
65°	300	304	301	290	284	298
75°	143	143	133	118	113	152
85°	28	30	32	34	34	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	979.5	979.5	979.5	979.5	979.5
2.5°	980.7	979.5	975.9	980.7	980.7
5°	977.1	977.1	975.9	981.9	983.1
7.5°	969.9	972.3	973.5	980.7	981.9
10°	962.7	965.1	969.9	979.5	981.9
12.5°	950.7	955.5	963.9	977.1	979.5
15°	937.4	944.6	955.5	972.3	975.9
17.5°	921.8	931.4	945.8	965.1	971.1
20°	903.8	914.6	933.8	955.5	962.7
22.5°	884.6	896.6	919.4	944.6	951.9
25°	863.0	876.2	901.4	927.8	937.4
27.5°	839.0	853.4	881.0	908.6	917.0
30°	812.6	828.2	858.2	885.8	893.0
32.5°	786.2	801.8	833.0	859.4	867.8
35°	756.2	773.0	804.2	829.4	835.4
37.5°	723.8	740.6	771.8	797.0	799.4
40°	691.4	708.2	737.0	759.8	762.2
42.5°	657.8	673.4	699.8	719.0	721.4
45°	620.6	637.4	661.4	677.0	677.0
47.5°	583.4	600.2	620.6	631.4	631.4
50°	544.9	560.5	577.4	583.4	582.2
52.5°	506.5	520.9	535.3	536.5	534.1
55°	469.3	477.7	487.3	489.7	484.9
57.5°	428.5	435.7	441.7	438.1	434.5
60°	385.3	392.5	393.7	387.7	384.1
62.5°	343.3	349.3	349.3	339.7	333.7
65°	300.1	303.7	301.3	290.5	284.5
67.5°	259.3	261.7	256.9	246.1	236.5
70°	217.3	218.5	212.5	199.3	193.3
72.5°	178.8	180.0	172.8	157.2	150.0
75°	142.8	142.8	133.2	117.6	112.8
77.5°	106.8	110.4	99.6	91.2	91.2
80°	76.8	80.4	69.6	70.8	69.6
82.5°	50.4	54.0	50.4	50.4	50.4
85°	27.6	30.0	32.4	33.6	33.6
87.5°	8.4	14.4	15.6	16.8	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)