

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: P296903

Luminaire Tested: **D3X-WD-31L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-31L92765-LD5-UNV-24-T1-W2A-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2637.0 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

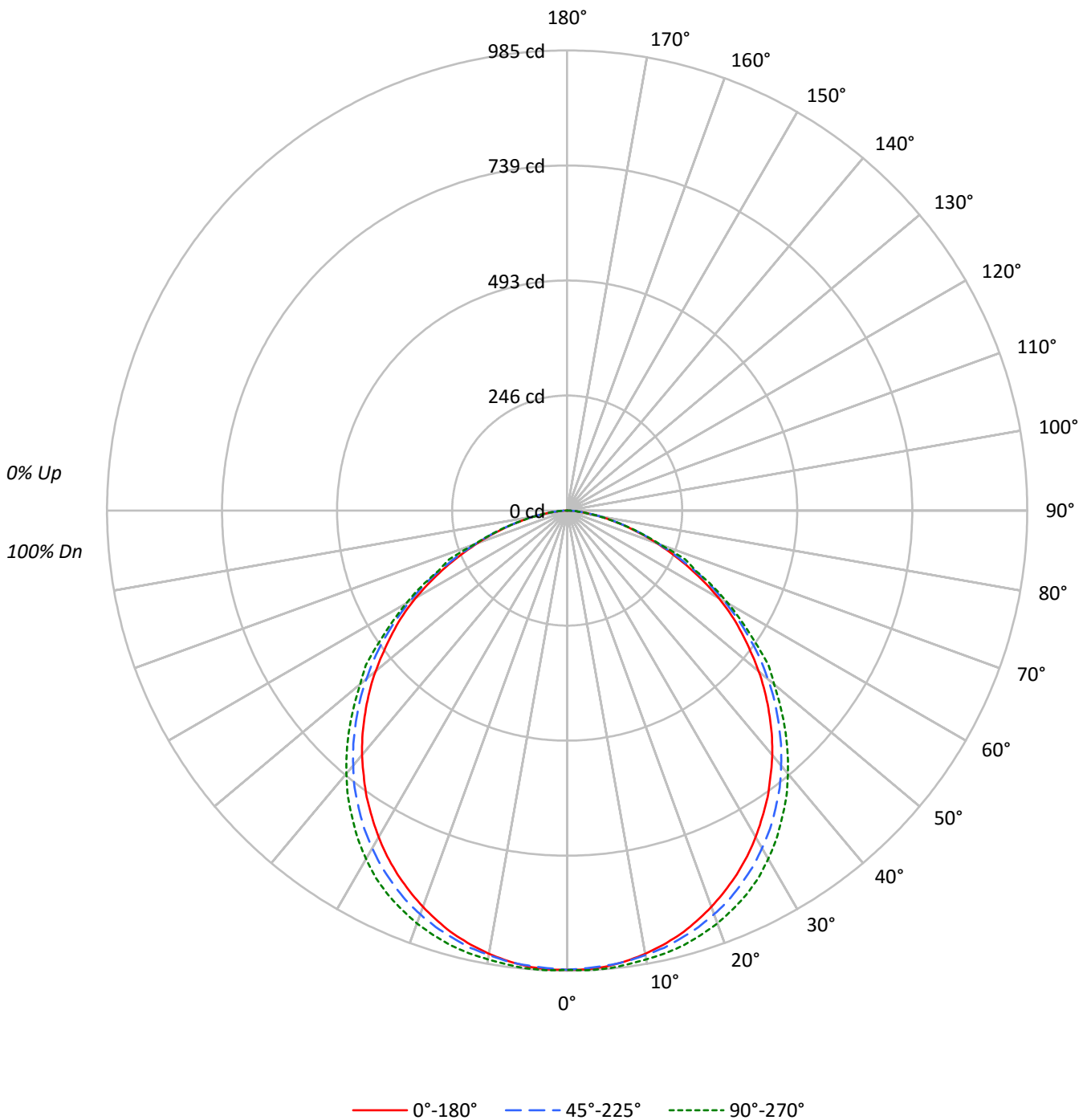
Input Watts (W): 21.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1323	1323	1323
5°	1323	1320	1329
10°	1316	1320	1333
15°	1307	1319	1342
20°	1292	1317	1347
25°	1275	1309	1347
30°	1254	1297	1338
35°	1229	1277	1318
40°	1200	1251	1291
45°	1163	1217	1255
50°	1121	1175	1210
55°	1070	1119	1152
60°	1008	1047	1072
65°	916	946	964
70°	804	823	834
75°	679	689	693
80°	542	550	535
85°	366	380	366



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	3.5
10°-20°	267.9	10.2
20°-30°	406.5	15.4
30°-40°	485.3	18.4
40°-50°	491.3	18.6
50°-60°	424.7	16.1
60°-70°	294.3	11.2
70°-80°	142.4	5.4
80°-90°	31.3	1.2
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°	767.6	29.1
0°-40°	1252.9	47.5
0°-60°	2168.9	82.2
0°-90°	2637.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2637.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	983	983	983	983	983	
5°	979	978	977	982	984	93
15°	939	940	947	958	963	265
25°	859	865	882	900	907	396
35°	748	755	778	798	802	468
45°	611	620	640	656	660	471
55°	456	461	477	497	491	408
65°	288	290	297	302	303	285
75°	131	132	132	132	133	140
85°	24	26	25	24	24	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	983.1	983.1	983.1	983.1	983.1
2.5°	983.1	982.1	980.2	983.1	984.9
5°	979.3	978.3	977.4	982.1	984.0
7.5°	972.6	972.6	973.6	978.3	980.2
10°	963.2	964.1	966.0	973.6	975.5
12.5°	951.8	953.7	958.5	967.0	970.8
15°	938.6	940.5	947.1	958.5	963.2
17.5°	921.6	925.3	934.8	948.0	952.8
20°	902.6	907.4	919.7	934.8	940.5
22.5°	881.8	886.5	902.6	918.7	924.4
25°	859.1	864.8	881.8	899.8	907.4
27.5°	834.5	841.1	860.1	879.0	886.5
30°	807.1	814.6	834.5	854.4	861.0
32.5°	777.7	785.3	808.0	826.9	833.6
35°	748.4	755.0	777.7	797.6	802.3
37.5°	715.3	722.9	747.5	764.5	771.1
40°	683.1	690.7	712.5	729.5	735.2
42.5°	648.1	655.7	677.4	693.5	698.3
45°	611.2	619.7	639.6	655.7	659.5
47.5°	574.3	580.9	601.8	615.9	618.8
50°	535.5	542.1	561.1	575.3	578.1
52.5°	494.8	505.2	520.4	530.8	543.1
55°	456.0	460.8	476.9	496.7	491.1
57.5°	417.3	420.1	433.3	441.9	443.7
60°	374.7	378.5	388.9	393.6	398.3
62.5°	330.2	333.0	345.3	350.1	352.0
65°	287.6	290.5	297.1	301.8	302.8
67.5°	244.1	246.9	252.6	256.4	273.4
70°	204.4	206.3	209.1	216.7	211.9
72.5°	166.5	167.5	170.3	170.3	171.3
75°	130.6	131.5	132.5	131.5	133.4
77.5°	97.5	99.3	100.3	99.3	98.4
80°	70.0	71.9	71.0	69.1	69.1
82.5°	45.4	46.4	45.4	44.5	44.5
85°	23.7	25.5	24.6	23.7	23.7
87.5°	8.5	9.5	10.4	11.4	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)