

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: P297459

Luminaire Tested: **D3X-WO-31L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
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-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2429.0 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

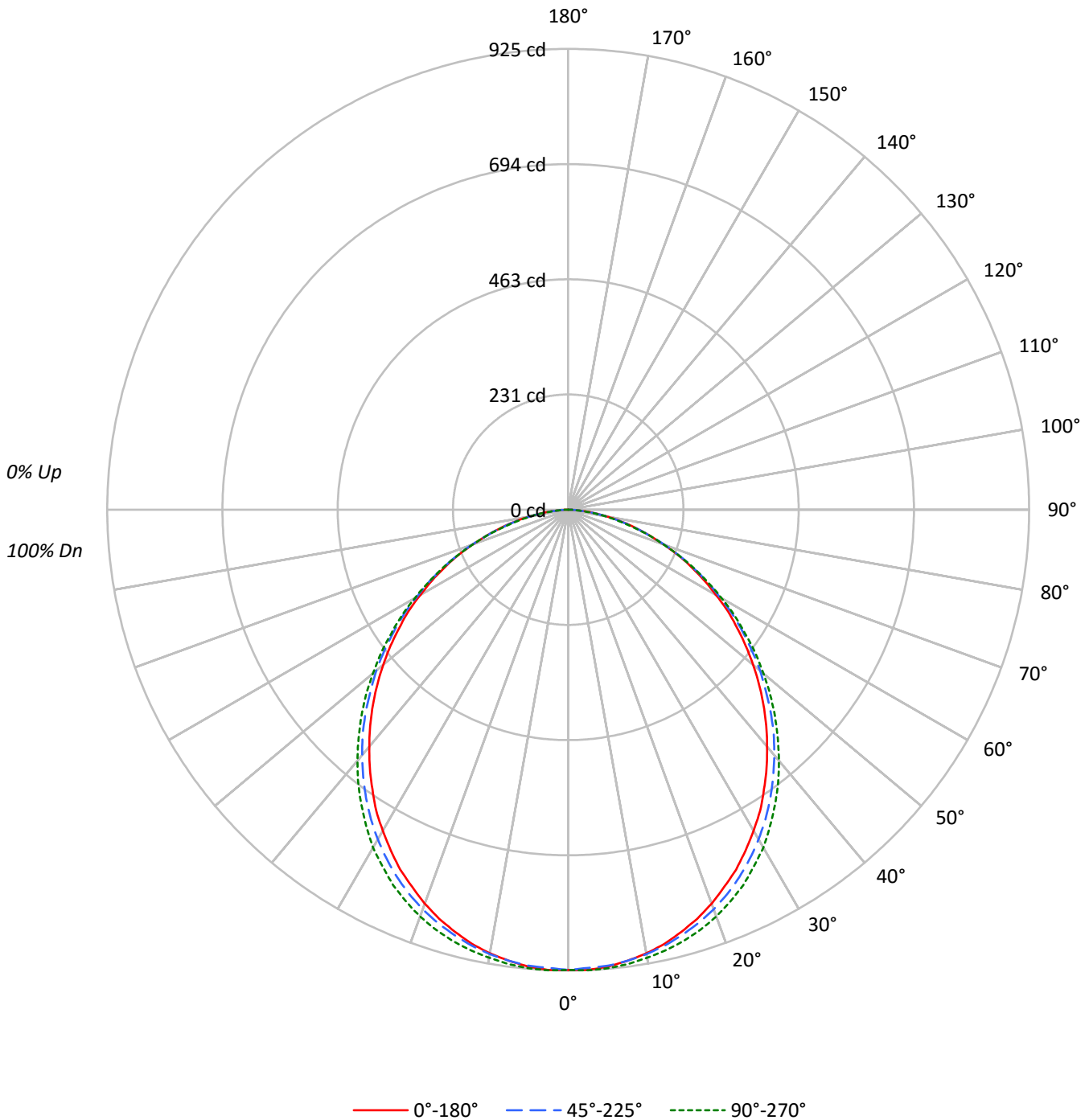
Input Watts (W): 21.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297459

CATALOG NUMBER: D3X-WO-31L92765-LD5-UNV-24-T1-W2A-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P297459

CATALOG NUMBER: D3X-WO-31L92765-LD5-UNV-24-T1-W2A-2700K

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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	1243	1243	1243
5°	1243	1241	1248
10°	1235	1238	1248
15°	1222	1231	1248
20°	1204	1222	1244
25°	1183	1207	1234
30°	1156	1187	1217
35°	1125	1161	1188
40°	1091	1130	1156
45°	1054	1093	1116
50°	1014	1052	1070
55°	971	1002	1017
60°	922	947	958
65°	870	883	888
70°	798	808	798
75°	719	715	693
80°	609	602	583
85°	455	442	392



TEST NUMBER: P297459

CATALOG NUMBER: D3X-WO-31L92765-LD5-UNV-24-T1-W2A-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	3.6
10°-20°	249.9	10.3
20°-30°	374.6	15.4
30°-40°	441.2	18.2
40°-50°	441.2	18.2
50°-60°	380.7	15.7
60°-70°	274.0	11.3
70°-80°	145.3	6.0
80°-90°	34.7	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°	711.9	29.3
0°-40°	1153.1	47.5
0°-60°	1975.1	81.3
0°-90°	2429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2429.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	924	924	924	924	924	
5°	920	920	919	922	924	87
15°	877	880	884	893	896	247
25°	797	802	813	827	831	367
35°	685	693	707	719	723	428
45°	554	561	574	584	587	427
55°	414	418	427	434	434	371
65°	273	274	277	279	279	270
75°	138	137	138	134	133	147
85°	30	30	29	26	25	36
90°	0	0	0	0	0	



TEST NUMBER: P297459

CATALOG NUMBER: D3X-WO-31L92765-LD5-UNV-24-T1-W2A-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	923.8	923.8	923.8	923.8	923.8
2.5°	924.6	923.0	920.5	923.8	925.4
5°	920.5	919.7	918.9	922.2	923.8
7.5°	913.2	914.0	913.2	918.1	919.7
10°	904.2	905.0	905.8	911.5	913.2
12.5°	892.7	893.5	896.0	903.3	905.8
15°	877.2	879.6	883.7	892.7	896.0
17.5°	860.8	864.1	869.8	880.4	883.7
20°	841.2	845.2	853.4	864.9	869.0
22.5°	819.1	823.1	834.6	846.9	851.0
25°	797.0	801.9	813.3	827.2	831.3
27.5°	770.8	777.3	789.6	803.5	806.8
30°	743.8	749.5	764.2	777.3	783.1
32.5°	716.8	722.5	736.4	749.5	753.6
35°	684.9	693.0	707.0	719.2	723.3
37.5°	653.8	661.1	675.9	688.1	692.2
40°	621.0	627.6	643.1	654.6	657.9
42.5°	588.3	594.9	610.4	619.4	622.7
45°	553.9	561.3	574.4	584.2	586.7
47.5°	519.6	525.3	537.6	546.6	549.9
50°	484.4	490.1	502.4	509.8	511.4
52.5°	449.2	453.3	464.8	471.3	473.8
55°	414.0	418.1	427.1	434.5	433.7
57.5°	380.5	382.1	391.1	396.0	396.0
60°	342.8	344.5	351.8	355.1	355.9
62.5°	307.7	310.1	315.8	316.7	316.7
65°	273.3	274.1	277.4	279.0	279.0
67.5°	238.9	238.1	241.4	241.4	240.6
70°	202.9	204.6	205.4	203.7	202.9
72.5°	170.2	169.4	169.4	168.6	168.6
75°	138.3	136.6	137.5	134.2	133.4
77.5°	108.8	106.4	105.6	103.9	102.3
80°	78.6	78.6	77.7	76.1	75.3
82.5°	52.4	52.4	51.5	49.9	48.3
85°	29.5	29.5	28.6	26.2	25.4
87.5°	9.8	9.8	9.8	9.8	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)