

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: P296900

Luminaire Tested: **D3X-WD-31L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296900
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-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2371.0 lumens
Efficiency: N/A
Efficacy: 112.9 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

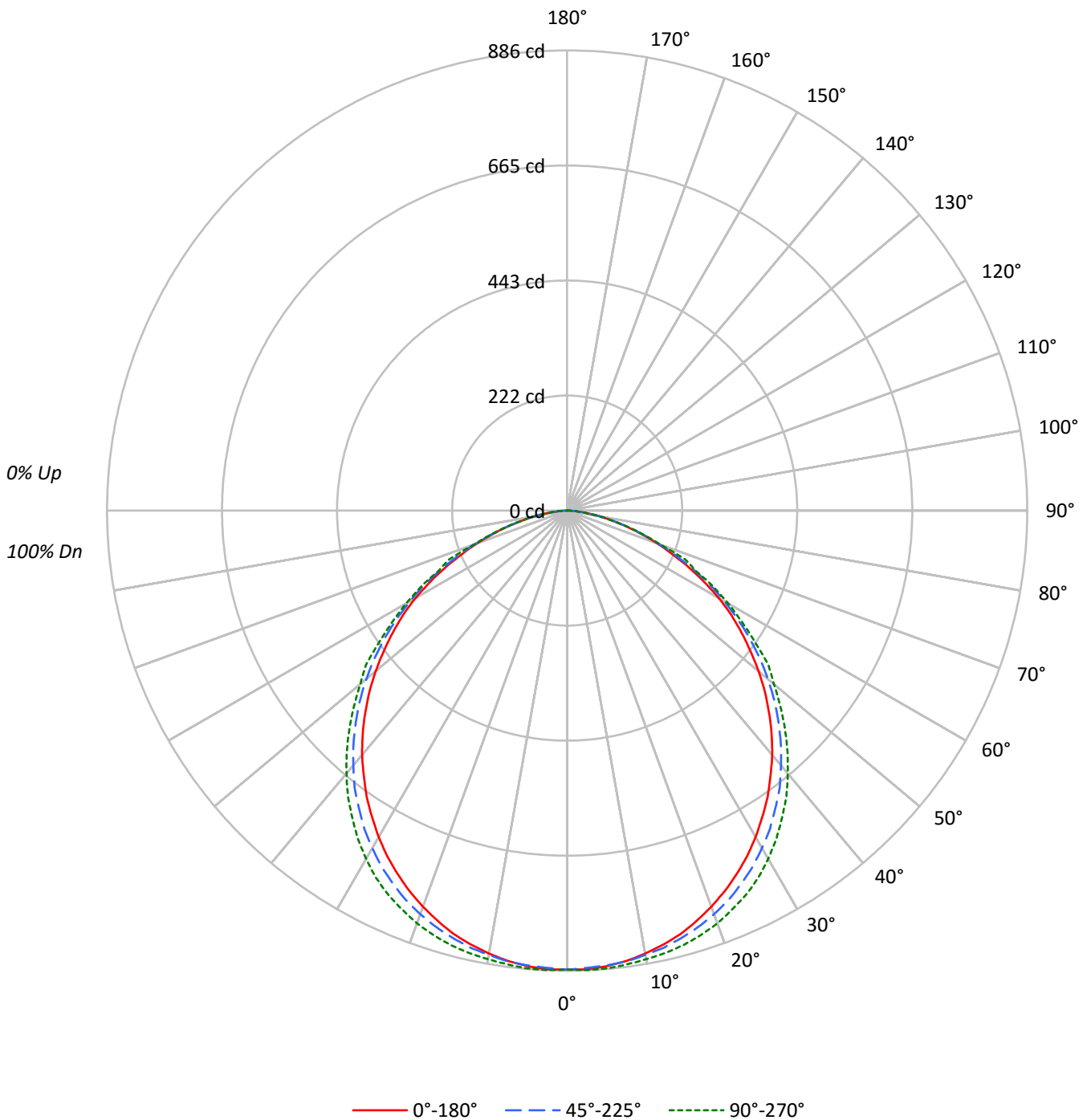
Input Watts (W): 21
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1189	1189	1189
5°	1189	1187	1195
10°	1183	1187	1198
15°	1176	1186	1206
20°	1162	1184	1211
25°	1147	1177	1211
30°	1127	1166	1203
35°	1105	1149	1185
40°	1079	1125	1161
45°	1046	1094	1128
50°	1008	1056	1088
55°	962	1006	1036
60°	907	941	964
65°	823	850	867
70°	723	740	750
75°	610	619	624
80°	488	494	481
85°	329	341	329



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.8	3.5
10°-20°	240.9	10.2
20°-30°	365.5	15.4
30°-40°	436.4	18.4
40°-50°	441.8	18.6
50°-60°	381.9	16.1
60°-70°	264.7	11.2
70°-80°	128.0	5.4
80°-90°	28.2	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°	690.2	29.1
0°-40°	1126.5	47.5
0°-60°	1950.1	82.2
0°-90°	2371.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2371.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	884	884	884	884	884	
5°	880	880	879	883	885	84
15°	844	846	852	862	866	238
25°	772	778	793	809	816	356
35°	673	679	699	717	721	420
45°	550	557	575	590	593	424
55°	410	414	429	447	442	366
65°	259	261	267	271	272	256
75°	117	118	119	118	120	126
85°	21	23	22	21	21	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	883.9	883.9	883.9	883.9	883.9
2.5°	883.9	883.0	881.3	883.9	885.6
5°	880.5	879.6	878.8	883.0	884.7
7.5°	874.5	874.5	875.4	879.6	881.3
10°	866.0	866.9	868.6	875.4	877.1
12.5°	855.8	857.5	861.8	869.4	872.8
15°	843.9	845.6	851.6	861.8	866.0
17.5°	828.6	832.0	840.5	852.4	856.7
20°	811.6	815.8	826.9	840.5	845.6
22.5°	792.9	797.1	811.6	826.0	831.1
25°	772.4	777.6	792.9	809.0	815.8
27.5°	750.3	756.3	773.3	790.3	797.1
30°	725.7	732.5	750.3	768.2	774.1
32.5°	699.3	706.1	726.5	743.5	749.5
35°	672.9	678.9	699.3	717.2	721.4
37.5°	643.1	649.9	672.1	687.4	693.3
40°	614.2	621.0	640.6	655.9	661.0
42.5°	582.7	589.5	609.1	623.6	627.8
45°	549.6	557.2	575.1	589.5	592.9
47.5°	516.4	522.3	541.1	553.8	556.4
50°	481.5	487.5	504.5	517.2	519.8
52.5°	444.9	454.3	467.9	477.3	488.3
55°	410.0	414.3	428.8	446.6	441.5
57.5°	375.2	377.7	389.6	397.3	399.0
60°	336.9	340.3	349.6	353.9	358.2
62.5°	296.9	299.5	310.5	314.8	316.5
65°	258.6	261.2	267.1	271.4	272.2
67.5°	219.5	222.0	227.1	230.5	245.9
70°	183.8	185.5	188.0	194.8	190.6
72.5°	149.7	150.6	153.1	153.1	154.0
75°	117.4	118.2	119.1	118.2	120.0
77.5°	87.6	89.3	90.2	89.3	88.5
80°	63.0	64.7	63.8	62.1	62.1
82.5°	40.8	41.7	40.8	40.0	40.0
85°	21.3	23.0	22.1	21.3	21.3
87.5°	7.7	8.5	9.4	10.2	10.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)