

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: P297180

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297180
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-31L92765-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2375.0 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

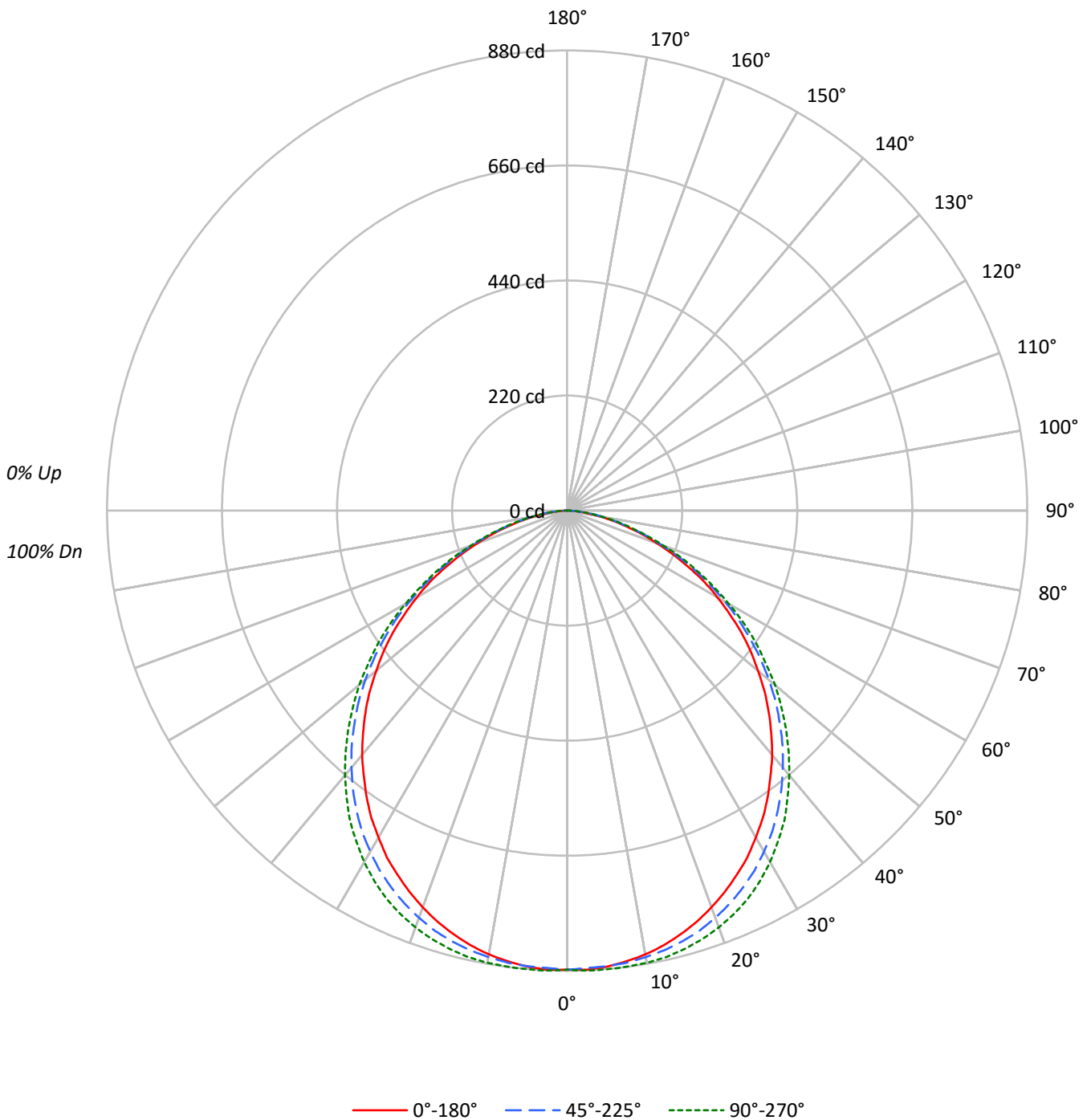
Input Watts (W): 21
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	71
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	47	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	27	38	32	27	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1181	1181	1181
5°	1182	1181	1189
10°	1177	1184	1200
15°	1169	1187	1209
20°	1156	1186	1214
25°	1140	1181	1215
30°	1121	1170	1205
35°	1098	1153	1189
40°	1071	1127	1161
45°	1038	1094	1127
50°	997	1054	1086
55°	954	1002	1034
60°	893	939	961
65°	815	859	880
70°	716	753	773
75°	606	637	659
80°	481	528	541
85°	329	394	381



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	3.5
10°-20°	240.8	10.1
20°-30°	366.0	15.4
30°-40°	436.7	18.4
40°-50°	441.1	18.6
50°-60°	380.0	16.0
60°-70°	264.9	11.2
70°-80°	131.3	5.5
80°-90°	30.6	1.3
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°	690.3	29.1
0°-40°	1127.0	47.5
0°-60°	1948.2	82.0
0°-90°	2375.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2375.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	878	878	878	878	878	
5°	875	875	875	879	880	83
15°	839	843	852	864	868	237
25°	768	778	796	812	818	354
35°	669	680	702	718	724	418
45°	545	557	575	589	592	420
55°	407	415	427	437	441	362
65°	256	261	270	272	276	254
75°	117	118	122	125	127	126
85°	21	26	26	24	25	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	878.0	878.0	878.0	878.0	878.0
2.5°	878.8	877.1	875.4	878.8	880.5
5°	875.4	874.6	874.6	878.8	880.5
7.5°	869.5	869.5	872.0	878.0	879.7
10°	861.8	863.5	866.9	875.4	878.0
12.5°	851.6	855.0	861.0	871.2	874.6
15°	838.9	843.1	852.5	863.5	867.8
17.5°	824.4	830.3	842.3	855.0	859.3
20°	807.4	815.0	828.6	843.1	848.2
22.5°	788.7	798.0	813.3	828.6	834.6
25°	768.2	778.4	795.5	811.6	818.4
27.5°	747.0	757.2	775.9	792.1	798.9
30°	721.4	733.4	752.9	769.9	775.9
32.5°	696.8	708.7	729.1	744.4	750.4
35°	668.7	679.8	701.9	718.0	724.0
37.5°	638.9	651.7	673.0	687.4	692.5
40°	610.0	621.1	641.5	655.9	661.0
42.5°	577.7	589.6	610.0	622.8	627.0
45°	545.3	557.2	575.1	588.7	592.1
47.5°	512.2	523.2	541.1	552.1	555.5
50°	476.4	486.6	503.7	514.7	519.0
52.5°	442.4	451.8	466.2	475.6	478.1
55°	406.7	415.2	427.1	437.3	440.7
57.5°	368.4	377.7	388.8	397.3	399.9
60°	331.8	339.5	348.8	356.5	357.3
62.5°	296.1	299.5	308.0	314.8	315.6
65°	256.1	261.2	269.7	272.2	276.5
67.5°	219.5	222.9	229.7	233.1	236.5
70°	182.1	184.6	191.4	195.7	196.5
72.5°	149.7	150.6	155.7	159.1	159.9
75°	116.6	118.3	122.5	125.1	126.8
77.5°	88.5	90.2	93.6	95.3	95.3
80°	62.1	64.7	68.1	68.9	69.8
82.5°	40.0	43.4	45.9	46.8	45.1
85°	21.3	25.5	25.5	23.8	24.7
87.5°	7.7	9.4	10.2	11.1	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)