

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: P296907

Luminaire Tested: **D3X-WD-31L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296907
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-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2762.0 lumens
Efficiency: N/A
Efficacy: 124.4 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

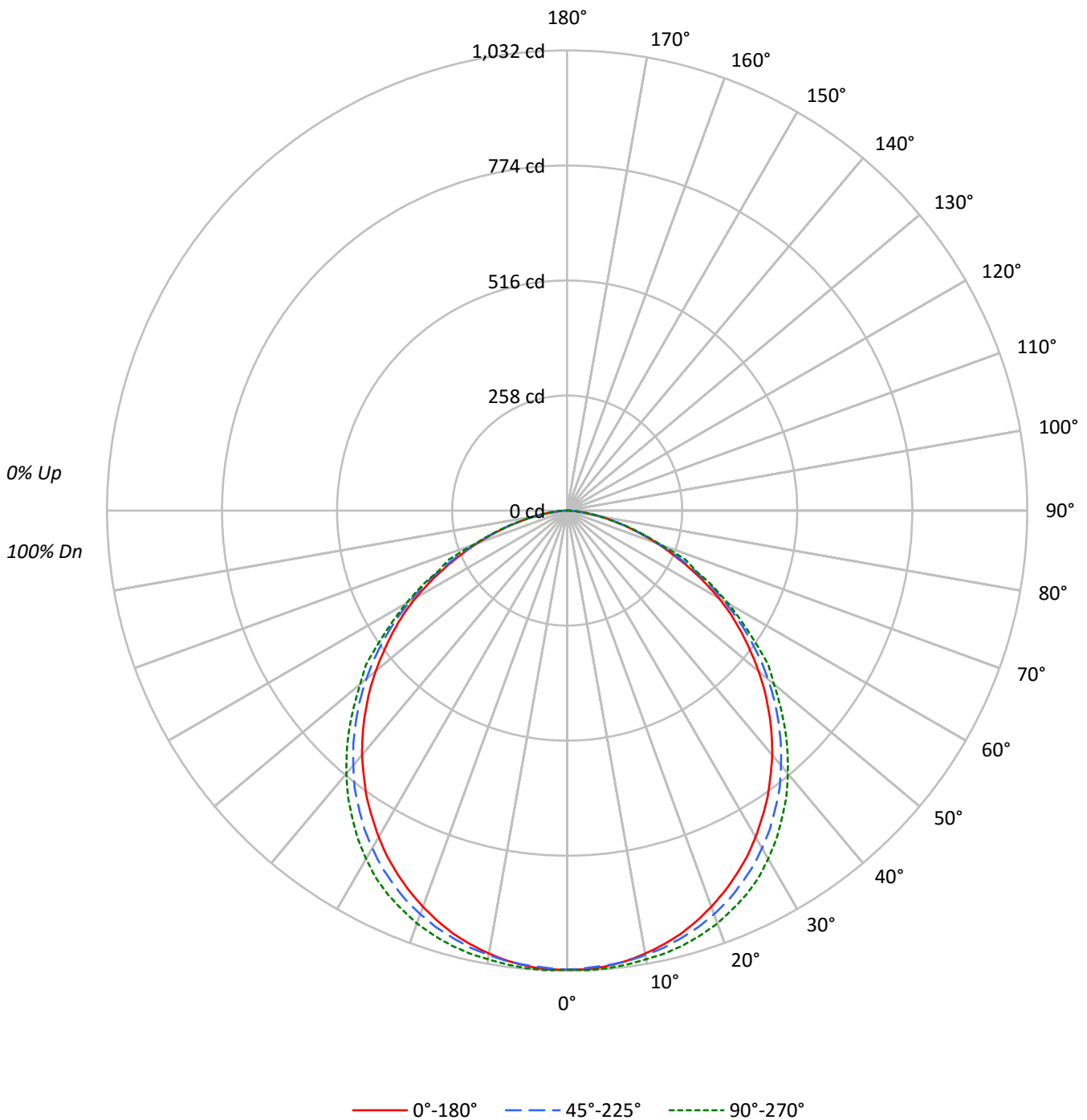
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1385	1385	1385
5°	1385	1383	1392
10°	1378	1382	1396
15°	1369	1382	1405
20°	1354	1379	1411
25°	1336	1371	1411
30°	1313	1358	1401
35°	1288	1338	1380
40°	1257	1311	1352
45°	1218	1275	1314
50°	1174	1230	1267
55°	1121	1172	1206
60°	1056	1096	1123
65°	959	991	1010
70°	842	862	873
75°	711	721	726
80°	568	576	560
85°	383	398	383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	3.5
10°-20°	280.6	10.2
20°-30°	425.8	15.4
30°-40°	508.3	18.4
40°-50°	514.6	18.6
50°-60°	444.8	16.1
60°-70°	308.3	11.2
70°-80°	149.2	5.4
80°-90°	32.8	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°	804.0	29.1
0°-40°	1312.3	47.5
0°-60°	2271.7	82.2
0°-90°	2762.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2762.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1030	1030	1030	1030	1030	
5°	1026	1025	1024	1029	1031	97
15°	983	985	992	1004	1009	277
25°	900	906	924	942	950	414
35°	784	791	815	835	840	490
45°	640	649	670	687	691	494
55°	478	483	500	520	514	427
65°	301	304	311	316	317	298
75°	137	138	139	138	140	147
85°	25	27	26	25	25	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1029.7	1029.7	1029.7	1029.7	1029.7
2.5°	1029.7	1028.7	1026.7	1029.7	1031.6
5°	1025.7	1024.7	1023.7	1028.7	1030.6
7.5°	1018.8	1018.8	1019.7	1024.7	1026.7
10°	1008.8	1009.8	1011.8	1019.7	1021.7
12.5°	997.0	998.9	1003.9	1012.8	1016.8
15°	983.1	985.1	992.0	1003.9	1008.8
17.5°	965.2	969.2	979.1	993.0	997.9
20°	945.4	950.4	963.3	979.1	985.1
22.5°	923.6	928.6	945.4	962.3	968.2
25°	899.8	905.8	923.6	942.4	950.4
27.5°	874.1	881.0	900.8	920.6	928.6
30°	845.3	853.3	874.1	894.9	901.8
32.5°	814.6	822.5	846.3	866.1	873.1
35°	783.9	790.8	814.6	835.4	840.4
37.5°	749.2	757.1	782.9	800.7	807.7
40°	715.5	723.4	746.2	764.1	770.0
42.5°	678.8	686.8	709.6	726.4	731.4
45°	640.2	649.1	669.9	686.8	690.7
47.5°	601.5	608.5	630.3	645.1	648.1
50°	560.9	567.8	587.7	602.5	605.5
52.5°	518.3	529.2	545.1	556.0	568.8
55°	477.7	482.6	499.5	520.3	514.3
57.5°	437.0	440.0	453.9	462.8	464.8
60°	392.4	396.4	407.3	412.3	417.2
62.5°	345.9	348.8	361.7	366.7	368.7
65°	301.3	304.2	311.2	316.1	317.1
67.5°	255.7	258.7	264.6	268.6	286.4
70°	214.1	216.0	219.0	226.9	222.0
72.5°	174.4	175.4	178.4	178.4	179.4
75°	136.8	137.7	138.7	137.7	139.7
77.5°	102.1	104.1	105.0	104.1	103.1
80°	73.3	75.3	74.3	72.3	72.3
82.5°	47.6	48.6	47.6	46.6	46.6
85°	24.8	26.8	25.8	24.8	24.8
87.5°	8.9	9.9	10.9	11.9	11.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)