

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: P298112

Luminaire Tested: **D3X-WD-35L92765-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-35L92765-LD5-UNV-22-T1-W2A-3500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2803.0 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

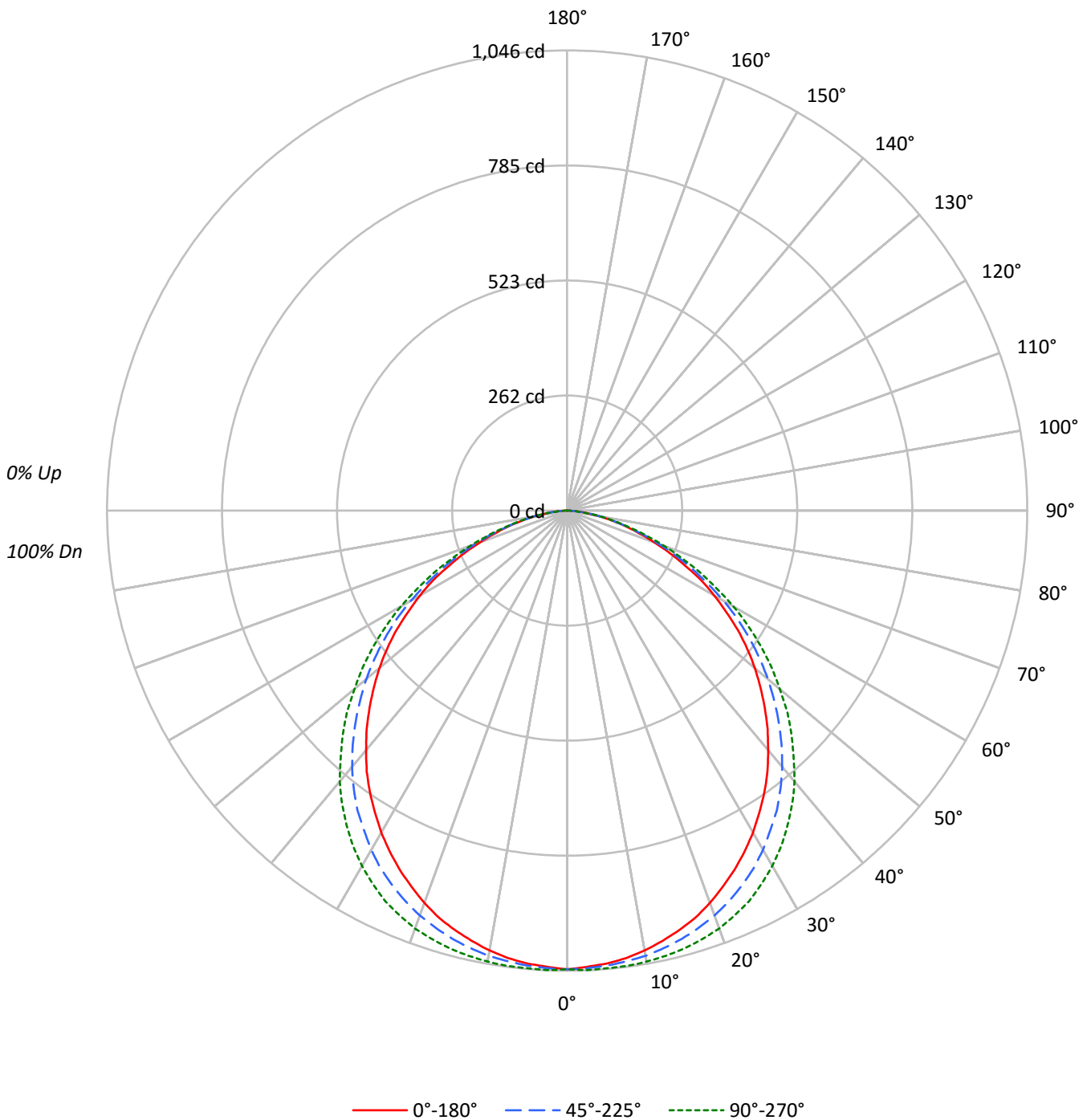
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	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	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	31	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°	2806	2806	2806
5°	2792	2804	2820
10°	2775	2808	2845
15°	2749	2808	2871
20°	2718	2804	2895
25°	2674	2791	2907
30°	2625	2766	2897
35°	2567	2731	2870
40°	2496	2671	2825
45°	2417	2589	2745
50°	2331	2495	2640
55°	2222	2371	2520
60°	2079	2209	2355
65°	1883	1998	2123
70°	1662	1745	1840
75°	1428	1459	1521
80°	1145	1168	1192
85°	840	744	744



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	3.5
10°-20°	284.6	10.2
20°-30°	432.9	15.4
30°-40°	517.9	18.5
40°-50°	523.6	18.7
50°-60°	450.6	16.1
60°-70°	311.1	11.1
70°-80°	150.8	5.4
80°-90°	32.7	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°	816.3	29.1
0°-40°	1334.2	47.6
0°-60°	2308.4	82.4
0°-90°	2803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1043	1043	1043	1043	1043	
5°	1034	1035	1038	1043	1044	98
15°	987	993	1008	1023	1030	278
25°	901	911	940	969	979	415
35°	782	795	831	862	874	488
45°	635	647	680	709	721	490
55°	474	481	505	528	537	422
65°	296	300	314	327	333	294
75°	137	134	140	145	146	146
85°	27	27	24	24	24	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1042.6	1042.6	1042.6	1042.6	1042.6
2.5°	1038.0	1038.0	1041.0	1044.1	1045.6
5°	1033.5	1035.0	1038.0	1042.6	1044.1
7.5°	1026.0	1027.5	1033.5	1041.0	1044.1
10°	1015.4	1018.4	1027.5	1036.5	1041.0
12.5°	1001.8	1007.8	1018.4	1030.5	1036.5
15°	986.7	992.8	1007.8	1022.9	1030.5
17.5°	970.1	976.2	994.3	1013.9	1021.4
20°	949.0	958.1	979.2	1001.8	1010.9
22.5°	924.9	936.9	961.1	985.2	995.8
25°	900.7	911.3	940.0	968.6	979.2
27.5°	873.6	885.6	917.3	946.0	956.6
30°	844.9	857.0	890.2	921.9	932.4
32.5°	813.2	828.3	860.0	893.2	905.3
35°	781.5	795.1	831.3	861.5	873.6
37.5°	748.3	760.4	796.6	828.3	840.4
40°	710.6	724.2	760.4	792.1	804.2
42.5°	674.4	688.0	721.2	751.4	761.9
45°	635.2	647.3	680.4	709.1	721.2
47.5°	596.0	609.5	638.2	666.9	678.9
50°	556.7	567.3	596.0	623.1	630.7
52.5°	516.0	525.0	550.7	574.8	585.4
55°	473.7	481.3	505.4	528.1	537.1
57.5°	428.5	437.5	460.2	476.8	487.3
60°	386.2	390.8	410.4	427.0	437.5
62.5°	344.0	345.5	360.6	377.2	383.2
65°	295.7	300.2	313.8	327.4	333.4
67.5°	252.0	256.5	267.1	277.6	282.1
70°	211.2	211.2	221.8	229.3	233.9
72.5°	170.5	172.0	179.5	184.1	188.6
75°	137.3	134.3	140.3	144.8	146.3
77.5°	102.6	101.1	105.6	107.1	110.1
80°	73.9	73.9	75.4	76.9	76.9
82.5°	48.3	48.3	49.8	46.8	45.3
85°	27.2	27.2	24.1	24.1	24.1
87.5°	9.1	9.1	9.1	10.6	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)