

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: P298113

Luminaire Tested: **D3X-WD-35L92765-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298113
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-4000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2893.0 lumens
Efficiency: N/A
Efficacy: 102.2 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

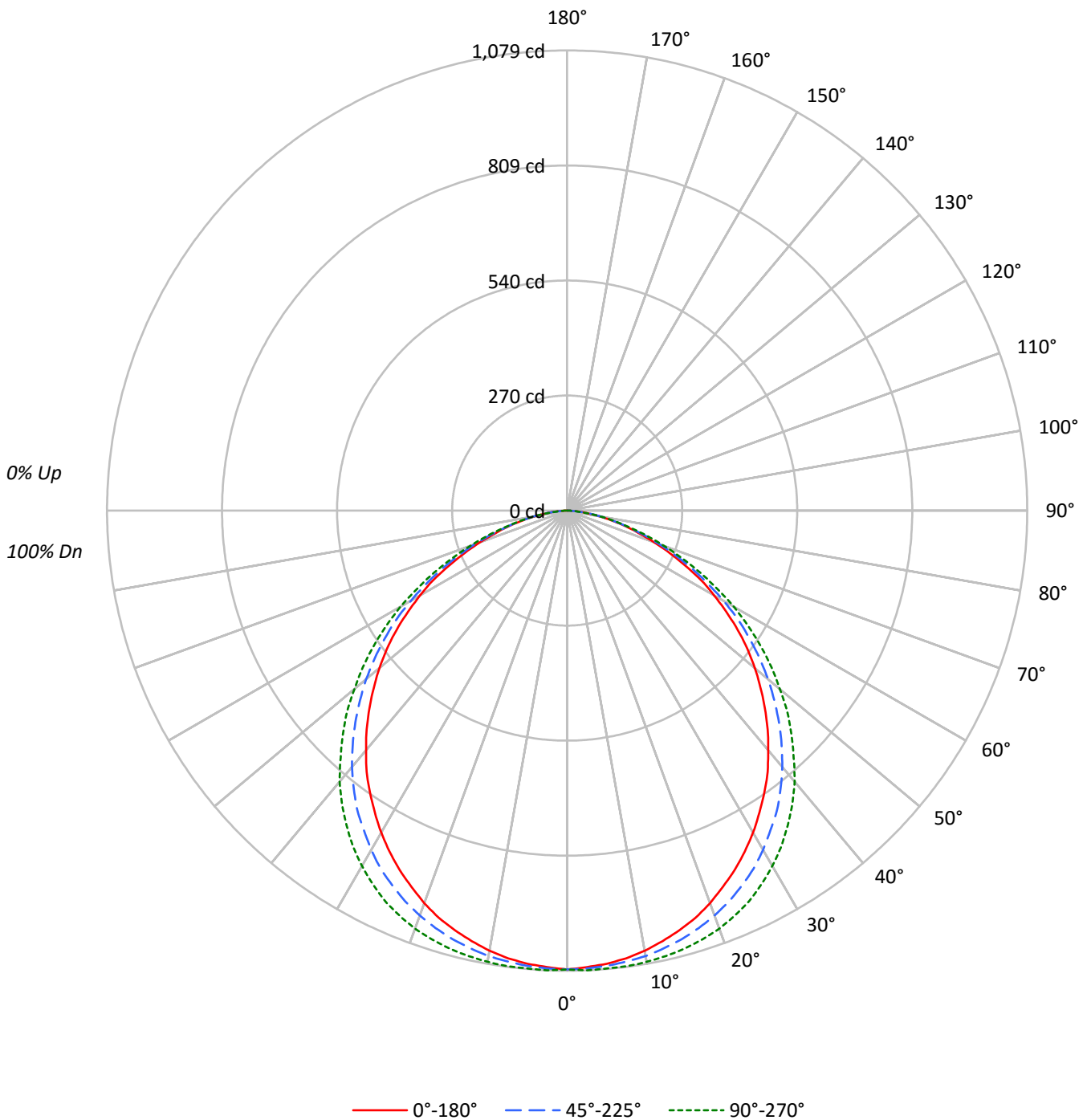
Input Watts (W): 28.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2895	2895	2895
5°	2881	2894	2911
10°	2864	2898	2936
15°	2837	2898	2963
20°	2805	2894	2988
25°	2760	2880	3001
30°	2710	2855	2990
35°	2650	2819	2962
40°	2576	2757	2916
45°	2495	2673	2833
50°	2406	2575	2725
55°	2294	2448	2601
60°	2145	2280	2430
65°	1943	2062	2191
70°	1715	1801	1899
75°	1473	1506	1570
80°	1182	1207	1230
85°	865	769	769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.0	3.5
10°-20°	293.7	10.2
20°-30°	446.8	15.4
30°-40°	534.5	18.5
40°-50°	540.4	18.7
50°-60°	465.1	16.1
60°-70°	321.1	11.1
70°-80°	155.7	5.4
80°-90°	33.8	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°	842.5	29.1
0°-40°	1377.0	47.6
0°-60°	2382.5	82.4
0°-90°	2893.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2893.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1076	1076	1076	1076	1076	
5°	1067	1068	1071	1076	1078	101
15°	1018	1025	1040	1056	1064	287
25°	930	940	970	1000	1011	428
35°	807	821	858	889	902	504
45°	656	668	702	732	744	506
55°	489	497	522	545	554	436
65°	305	310	324	338	344	304
75°	142	139	145	150	151	150
85°	28	28	25	25	25	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1076.0	1076.0	1076.0	1076.0	1076.0
2.5°	1071.4	1071.4	1074.5	1077.6	1079.1
5°	1066.7	1068.2	1071.4	1076.0	1077.6
7.5°	1058.9	1060.5	1066.7	1074.5	1077.6
10°	1048.0	1051.1	1060.5	1069.8	1074.5
12.5°	1034.0	1040.2	1051.1	1063.6	1069.8
15°	1018.4	1024.6	1040.2	1055.8	1063.6
17.5°	1001.3	1007.5	1026.2	1046.4	1054.2
20°	979.5	988.8	1010.6	1034.0	1043.3
22.5°	954.6	967.0	991.9	1016.9	1027.8
25°	929.6	940.5	970.1	999.7	1010.6
27.5°	901.6	914.1	946.8	976.4	987.3
30°	872.0	884.5	918.7	951.4	962.4
32.5°	839.3	854.9	887.6	921.9	934.3
35°	806.6	820.6	858.0	889.2	901.6
37.5°	772.4	784.8	822.2	854.9	867.4
40°	733.4	747.5	784.8	817.5	830.0
42.5°	696.1	710.1	744.3	775.5	786.4
45°	655.6	668.0	702.3	731.9	744.3
47.5°	615.1	629.1	658.7	688.3	700.7
50°	574.6	585.5	615.1	643.1	650.9
52.5°	532.6	541.9	568.4	593.3	604.2
55°	489.0	496.7	521.7	545.0	554.4
57.5°	442.2	451.6	474.9	492.1	503.0
60°	398.6	403.3	423.6	440.7	451.6
62.5°	355.0	356.6	372.2	389.3	395.5
65°	305.2	309.9	323.9	337.9	344.1
67.5°	260.1	264.7	275.6	286.5	291.2
70°	218.0	218.0	228.9	236.7	241.4
72.5°	176.0	177.5	185.3	190.0	194.7
75°	141.7	138.6	144.8	149.5	151.0
77.5°	105.9	104.3	109.0	110.6	113.7
80°	76.3	76.3	77.9	79.4	79.4
82.5°	49.8	49.8	51.4	48.3	46.7
85°	28.0	28.0	24.9	24.9	24.9
87.5°	9.3	9.3	9.3	10.9	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)