

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: P298026

Luminaire Tested: **D3X-WD-35L82765-LD5-UNV-22-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298026
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-35L82765-LD5-UNV-22-T1-W2A-2700K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 80 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3006.0 lumens
Efficiency: N/A
Efficacy: 107.7 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

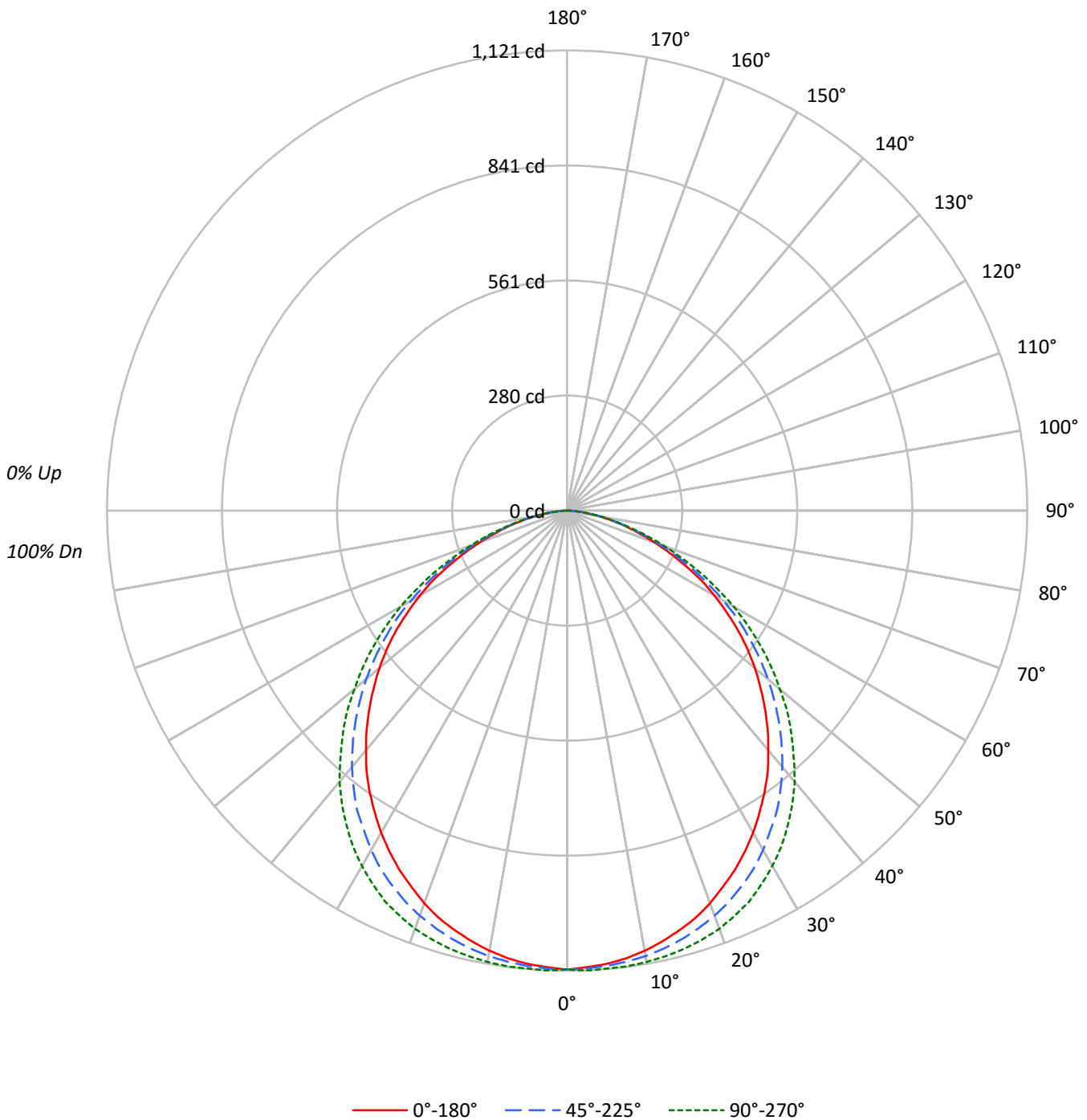
Input Watts (W): 27.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3009	3009	3009
5°	2994	3007	3025
10°	2975	3011	3051
15°	2948	3011	3079
20°	2914	3007	3105
25°	2868	2993	3118
30°	2816	2966	3107
35°	2753	2929	3077
40°	2677	2865	3029
45°	2592	2777	2943
50°	2500	2676	2831
55°	2384	2543	2702
60°	2229	2369	2525
65°	2019	2143	2277
70°	1782	1871	1973
75°	1530	1565	1631
80°	1229	1254	1278
85°	898	800	800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.0	3.5
10°-20°	305.2	10.2
20°-30°	464.2	15.4
30°-40°	555.4	18.5
40°-50°	561.5	18.7
50°-60°	483.2	16.1
60°-70°	333.6	11.1
70°-80°	161.8	5.4
80°-90°	35.1	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°	875.4	29.1
0°-40°	1430.8	47.6
0°-60°	2475.5	82.4
0°-90°	3006.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3006.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1118	1118	1118	1118	1118	
5°	1108	1110	1113	1118	1120	105
15°	1058	1065	1081	1097	1105	298
25°	966	977	1008	1039	1050	445
35°	838	853	892	924	937	524
45°	681	694	730	760	773	525
55°	508	516	542	566	576	453
65°	317	322	336	351	358	316
75°	147	144	150	155	157	156
85°	29	29	26	26	26	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1118.1	1118.1	1118.1	1118.1	1118.1
2.5°	1113.2	1113.2	1116.4	1119.7	1121.3
5°	1108.3	1110.0	1113.2	1118.1	1119.7
7.5°	1100.3	1101.9	1108.3	1116.4	1119.7
10°	1088.9	1092.2	1101.9	1111.6	1116.4
12.5°	1074.4	1080.8	1092.2	1105.1	1111.6
15°	1058.2	1064.7	1080.8	1097.0	1105.1
17.5°	1040.4	1046.9	1066.3	1087.3	1095.4
20°	1017.7	1027.4	1050.1	1074.4	1084.1
22.5°	991.8	1004.8	1030.7	1056.6	1067.9
25°	966.0	977.3	1008.0	1038.8	1050.1
27.5°	936.8	949.8	983.8	1014.5	1025.8
30°	906.1	919.0	954.6	988.6	999.9
32.5°	872.1	888.3	922.3	957.9	970.8
35°	838.1	852.7	891.5	923.9	936.8
37.5°	802.5	815.5	854.3	888.3	901.2
40°	762.1	776.7	815.5	849.5	862.4
42.5°	723.3	737.8	773.4	805.8	817.1
45°	681.2	694.1	729.7	760.5	773.4
47.5°	639.1	653.7	684.4	715.2	728.1
50°	597.1	608.4	639.1	668.2	676.3
52.5°	553.4	563.1	590.6	616.5	627.8
55°	508.1	516.1	542.0	566.3	576.0
57.5°	459.5	469.2	493.5	511.3	522.6
60°	414.2	419.1	440.1	457.9	469.2
62.5°	368.9	370.5	386.7	404.5	411.0
65°	317.1	322.0	336.5	351.1	357.6
67.5°	270.2	275.1	286.4	297.7	302.6
70°	226.5	226.5	237.8	245.9	250.8
72.5°	182.8	184.5	192.5	197.4	202.3
75°	147.2	144.0	150.5	155.3	156.9
77.5°	110.0	108.4	113.3	114.9	118.1
80°	79.3	79.3	80.9	82.5	82.5
82.5°	51.8	51.8	53.4	50.2	48.5
85°	29.1	29.1	25.9	25.9	25.9
87.5°	9.7	9.7	9.7	11.3	9.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)