

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: P297634

Luminaire Tested: **D3X-WD-35L93050-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297634
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-35L93050-LD5-UNV-14-T1-W2A-3000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2634.0 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

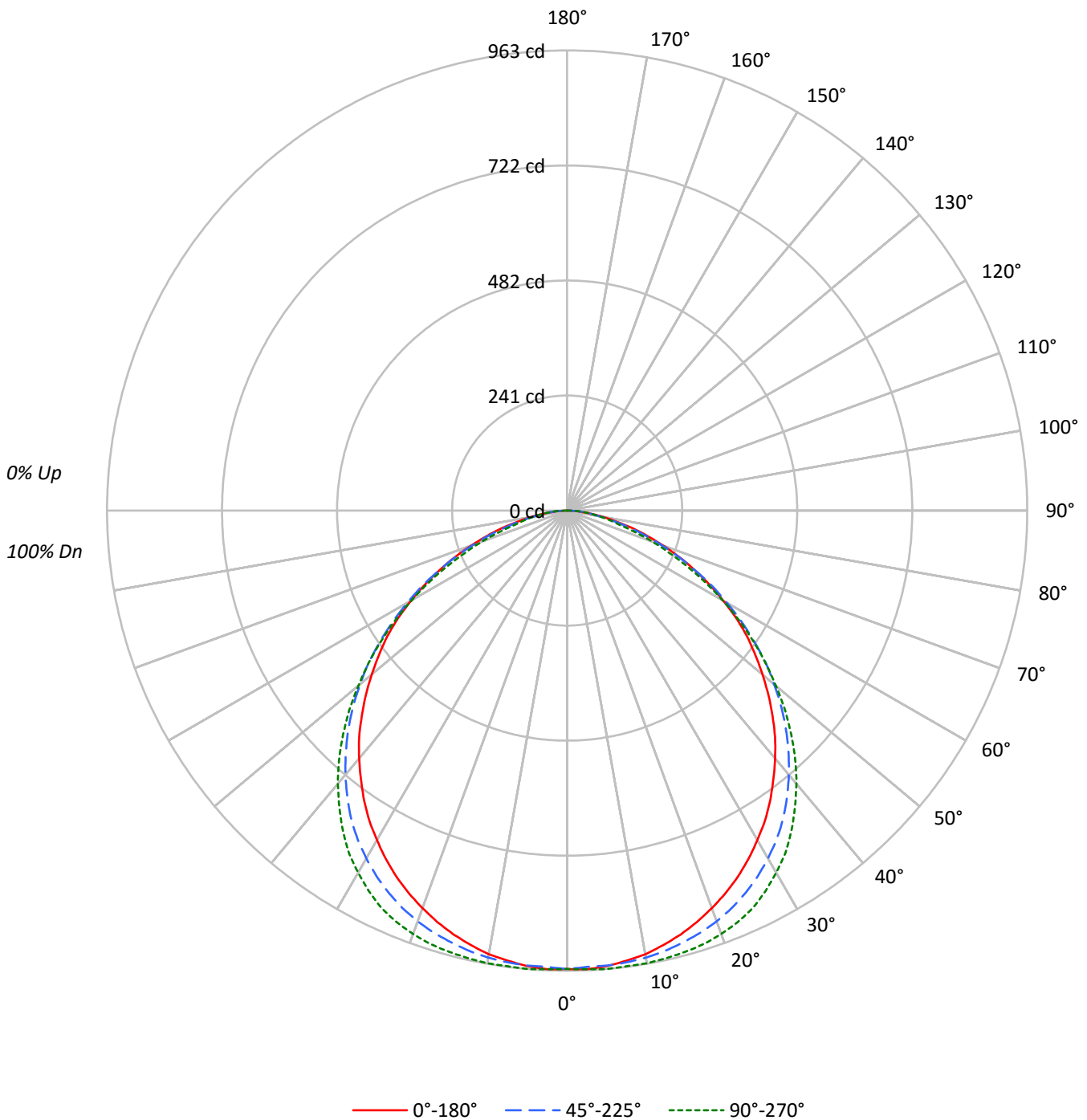
Input Watts (W): 34.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	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	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2582	2582	2582
5°	2585	2582	2601
10°	2577	2596	2628
15°	2558	2607	2663
20°	2536	2619	2700
25°	2510	2622	2727
30°	2473	2612	2718
35°	2433	2588	2688
40°	2379	2536	2623
45°	2313	2465	2524
50°	2235	2367	2387
55°	2157	2240	2228
60°	2031	2076	2025
65°	1871	1879	1775
70°	1674	1637	1489
75°	1455	1357	1149
80°	1165	1057	1057
85°	834	979	1016



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.3	3.5
10°-20°	264.8	10.1
20°-30°	406.7	15.4
30°-40°	489.8	18.6
40°-50°	494.9	18.8
50°-60°	422.2	16.0
60°-70°	289.0	11.0
70°-80°	139.5	5.3
80°-90°	35.9	1.4
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°	762.8	29.0
0°-40°	1252.5	47.6
0°-60°	2169.6	82.4
0°-90°	2634.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2634.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	959	959	959	959	959	
5°	957	957	956	962	963	91
15°	918	925	936	952	956	259
25°	845	858	883	909	918	389
35°	741	757	788	812	818	463
45°	608	624	648	663	663	469
55°	460	468	477	480	475	409
65°	294	298	295	284	279	292
75°	140	140	130	115	110	149
85°	27	29	32	33	33	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	959.4	959.4	959.4	959.4	959.4
2.5°	960.6	959.4	955.9	960.6	960.6
5°	957.1	957.1	955.9	961.8	963.0
7.5°	950.0	952.4	953.5	960.6	961.8
10°	943.0	945.3	950.0	959.4	961.8
12.5°	931.2	935.9	944.1	957.1	959.4
15°	918.3	925.3	935.9	952.4	955.9
17.5°	903.0	912.4	926.5	945.3	951.2
20°	885.4	895.9	914.7	935.9	943.0
22.5°	866.5	878.3	900.6	925.3	932.4
25°	845.4	858.3	883.0	908.9	918.3
27.5°	821.9	836.0	863.0	890.1	898.3
30°	796.0	811.3	840.7	867.7	874.8
32.5°	770.1	785.4	816.0	841.8	850.1
35°	740.7	757.2	787.8	812.5	818.3
37.5°	709.0	725.4	756.0	780.7	783.1
40°	677.2	693.7	721.9	744.3	746.6
42.5°	644.3	659.6	685.5	704.3	706.6
45°	607.9	624.3	647.8	663.1	663.1
47.5°	571.4	587.9	607.9	618.5	618.5
50°	533.8	549.1	565.5	571.4	570.2
52.5°	496.2	510.3	524.4	525.6	523.2
55°	459.7	468.0	477.4	479.7	475.0
57.5°	419.7	426.8	432.7	429.2	425.6
60°	377.4	384.5	385.7	379.8	376.2
62.5°	336.3	342.1	342.1	332.7	326.9
65°	293.9	297.5	295.1	284.5	278.7
67.5°	254.0	256.3	251.6	241.0	231.6
70°	212.8	214.0	208.1	195.2	189.3
72.5°	175.2	176.4	169.3	154.0	147.0
75°	139.9	139.9	130.5	115.2	110.5
77.5°	104.6	108.2	97.6	89.4	89.4
80°	75.2	78.8	68.2	69.4	68.2
82.5°	49.4	52.9	49.4	49.4	49.4
85°	27.0	29.4	31.7	32.9	32.9
87.5°	8.2	14.1	15.3	16.5	18.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)