

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: P298236

Luminaire Tested: **D3X-WG-35L93050-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298236
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-35L93050-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2584.0 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

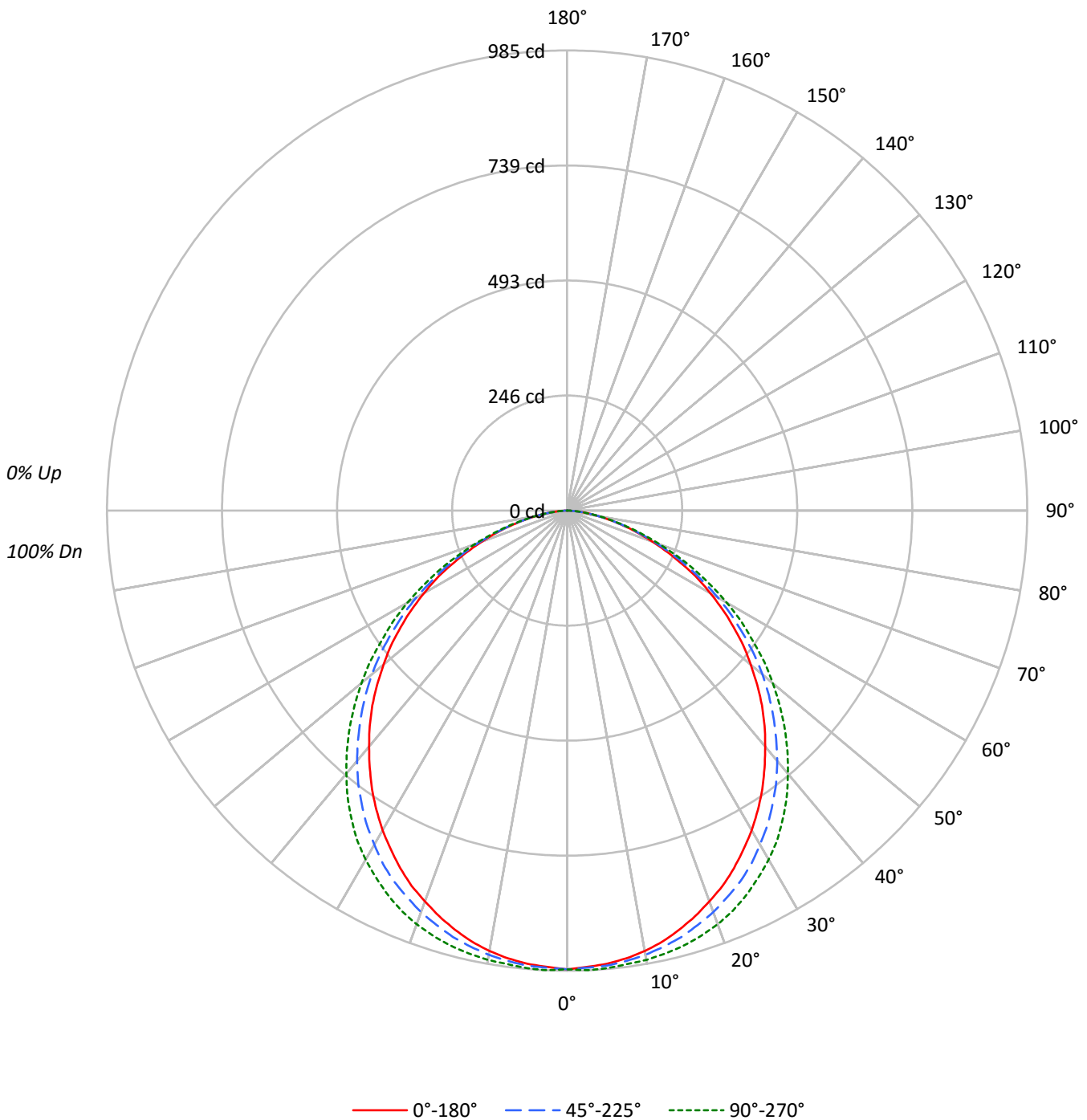
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2643	2643	2643
5°	2630	2642	2656
10°	2616	2638	2668
15°	2587	2632	2686
20°	2549	2620	2698
25°	2508	2602	2696
30°	2455	2565	2681
35°	2393	2519	2645
40°	2317	2457	2582
45°	2244	2375	2505
50°	2147	2285	2406
55°	2040	2155	2271
60°	1904	2007	2126
65°	1738	1817	1921
70°	1522	1586	1651
75°	1298	1326	1383
80°	1041	1063	1083
85°	763	719	676



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	3.6
10°-20°	266.8	10.3
20°-30°	403.3	15.6
30°-40°	479.0	18.5
40°-50°	480.9	18.6
50°-60°	410.8	15.9
60°-70°	283.0	11.0
70°-80°	137.2	5.3
80°-90°	30.0	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°	763.0	29.5
0°-40°	1242.0	48.1
0°-60°	2133.7	82.6
0°-90°	2584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2584.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	982	982	982	982	982	
5°	974	974	978	981	983	92
15°	928	933	945	957	964	262
25°	845	852	876	900	908	389
35°	728	739	767	796	805	455
45°	590	598	624	650	658	454
55°	435	442	459	479	484	389
65°	273	273	285	298	302	270
75°	125	122	128	130	133	134
85°	25	25	23	22	22	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	982.0	982.0	982.0	982.0	982.0
2.5°	977.9	977.9	979.2	983.4	984.7
5°	973.8	973.8	977.9	980.6	983.4
7.5°	966.9	968.3	972.4	977.9	979.2
10°	957.3	958.7	965.5	972.4	976.5
12.5°	944.9	947.7	955.9	966.9	971.0
15°	928.5	932.6	944.9	957.3	964.2
17.5°	910.7	916.1	929.9	947.7	954.5
20°	890.1	896.9	914.8	934.0	942.2
22.5°	869.5	875.0	895.6	917.5	927.1
25°	844.8	851.7	876.4	899.7	907.9
27.5°	817.4	827.0	853.1	877.7	886.0
30°	790.0	798.2	825.6	853.1	862.7
32.5°	759.8	768.0	798.2	825.6	836.6
35°	728.3	739.2	766.7	795.5	805.1
37.5°	694.0	706.3	735.1	759.8	772.1
40°	659.7	670.7	699.5	725.5	735.1
42.5°	625.4	635.0	662.4	689.9	698.1
45°	589.7	598.0	624.0	650.1	658.3
47.5°	551.3	560.9	585.6	607.6	617.2
50°	512.9	522.5	545.8	566.4	574.6
52.5°	475.9	481.4	503.3	522.5	532.1
55°	434.8	441.6	459.4	478.6	484.1
57.5°	395.0	399.1	416.9	433.4	441.6
60°	353.8	356.6	373.0	385.4	395.0
62.5°	315.4	315.4	327.8	341.5	347.0
65°	272.9	272.9	285.3	297.6	301.7
67.5°	231.8	234.5	242.8	252.4	255.1
70°	193.4	193.4	201.6	208.5	209.8
72.5°	159.1	157.7	161.8	167.3	170.1
75°	124.8	122.1	127.5	130.3	133.0
77.5°	94.6	93.3	96.0	98.7	98.7
80°	67.2	65.8	68.6	68.6	69.9
82.5°	43.9	45.3	45.3	43.9	42.5
85°	24.7	24.7	23.3	21.9	21.9
87.5°	8.2	8.2	8.2	9.6	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)