

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: P297799

Luminaire Tested: **D3X-WG-26L92765-LD5-UNV-14-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-26L92765-LD5-UNV-14-T1-W2A-5500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2377.0 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

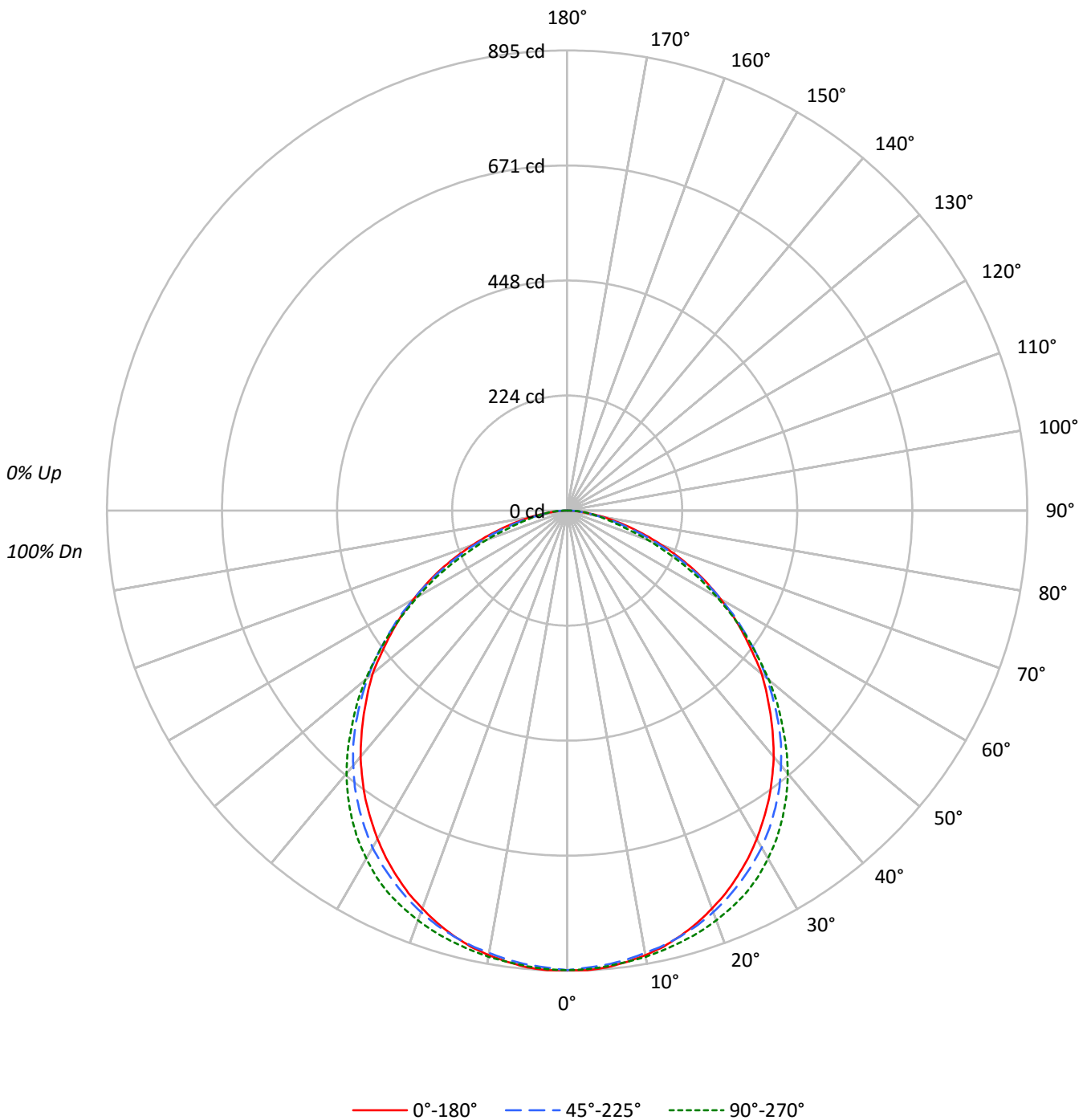
Input Watts (W): 24.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	82	77		83	79	75		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	81	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		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	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2405	2405	2405
5°	2409	2395	2403
10°	2399	2387	2408
15°	2384	2387	2416
20°	2359	2380	2429
25°	2329	2367	2440
30°	2292	2352	2428
35°	2249	2319	2399
40°	2196	2274	2345
45°	2128	2209	2253
50°	2069	2123	2145
55°	1965	2005	1995
60°	1859	1859	1808
65°	1726	1685	1591
70°	1530	1463	1321
75°	1327	1205	1017
80°	1088	939	922
85°	722	852	920



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	3.6
10°-20°	242.6	10.2
20°-30°	368.7	15.5
30°-40°	441.5	18.6
40°-50°	445.3	18.7
50°-60°	379.3	16.0
60°-70°	259.4	10.9
70°-80°	124.2	5.2
80°-90°	31.4	1.3
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°	695.9	29.3
0°-40°	1137.4	47.8
0°-60°	1962.0	82.5
0°-90°	2377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2377.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	894	894	894	894	894	
5°	892	891	886	891	890	85
15°	856	854	857	866	867	241
25°	784	786	797	815	822	361
35°	684	687	706	726	730	428
45°	559	563	580	592	592	432
55°	419	421	427	428	425	375
65°	271	266	265	255	250	267
75°	128	125	116	101	98	136
85°	23	26	28	29	30	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	893.9	893.9	893.9	893.9	893.9
2.5°	895.0	893.9	889.7	893.9	892.9
5°	891.8	890.8	886.5	890.8	889.7
7.5°	885.4	884.4	881.2	885.4	885.4
10°	878.0	875.9	873.7	880.1	881.2
12.5°	868.4	866.3	866.3	873.7	874.8
15°	855.7	853.6	856.7	866.3	867.4
17.5°	840.8	839.7	845.0	856.7	858.9
20°	823.8	822.7	831.2	845.0	848.2
22.5°	805.7	805.7	815.3	831.2	835.5
25°	784.5	785.5	797.2	815.3	821.7
27.5°	762.1	764.3	778.1	798.3	803.6
30°	737.7	740.9	756.8	776.0	781.3
32.5°	711.1	714.3	732.4	752.6	757.9
35°	684.5	686.7	705.8	726.0	730.3
37.5°	654.8	658.0	678.2	696.2	700.5
40°	625.0	628.2	647.3	664.3	667.5
42.5°	592.1	596.3	615.5	629.3	631.4
45°	559.1	563.4	580.4	592.1	592.1
47.5°	526.2	528.3	543.2	554.9	553.8
50°	494.3	493.2	507.0	512.3	512.3
52.5°	454.9	458.1	467.7	470.9	467.7
55°	418.8	420.9	427.3	428.4	425.2
57.5°	383.7	382.7	388.0	384.8	380.5
60°	345.5	345.5	345.5	342.3	335.9
62.5°	308.3	306.1	305.1	297.6	294.4
65°	271.1	265.7	264.7	255.1	249.8
67.5°	231.7	229.6	224.3	214.7	205.2
70°	194.5	192.4	186.0	174.3	167.9
72.5°	160.5	158.4	149.9	136.1	127.6
75°	127.6	125.4	115.9	101.0	97.8
77.5°	96.7	95.7	86.1	78.7	77.6
80°	70.2	69.1	60.6	60.6	59.5
82.5°	44.6	44.6	42.5	43.6	44.6
85°	23.4	25.5	27.6	28.7	29.8
87.5°	7.4	11.7	13.8	14.9	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)