

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: P297801

Luminaire Tested: **D3X-WG-26L92765-LD5-UNV-14-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297801
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-6500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2404.0 lumens
Efficiency: N/A
Efficacy: 96.5 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

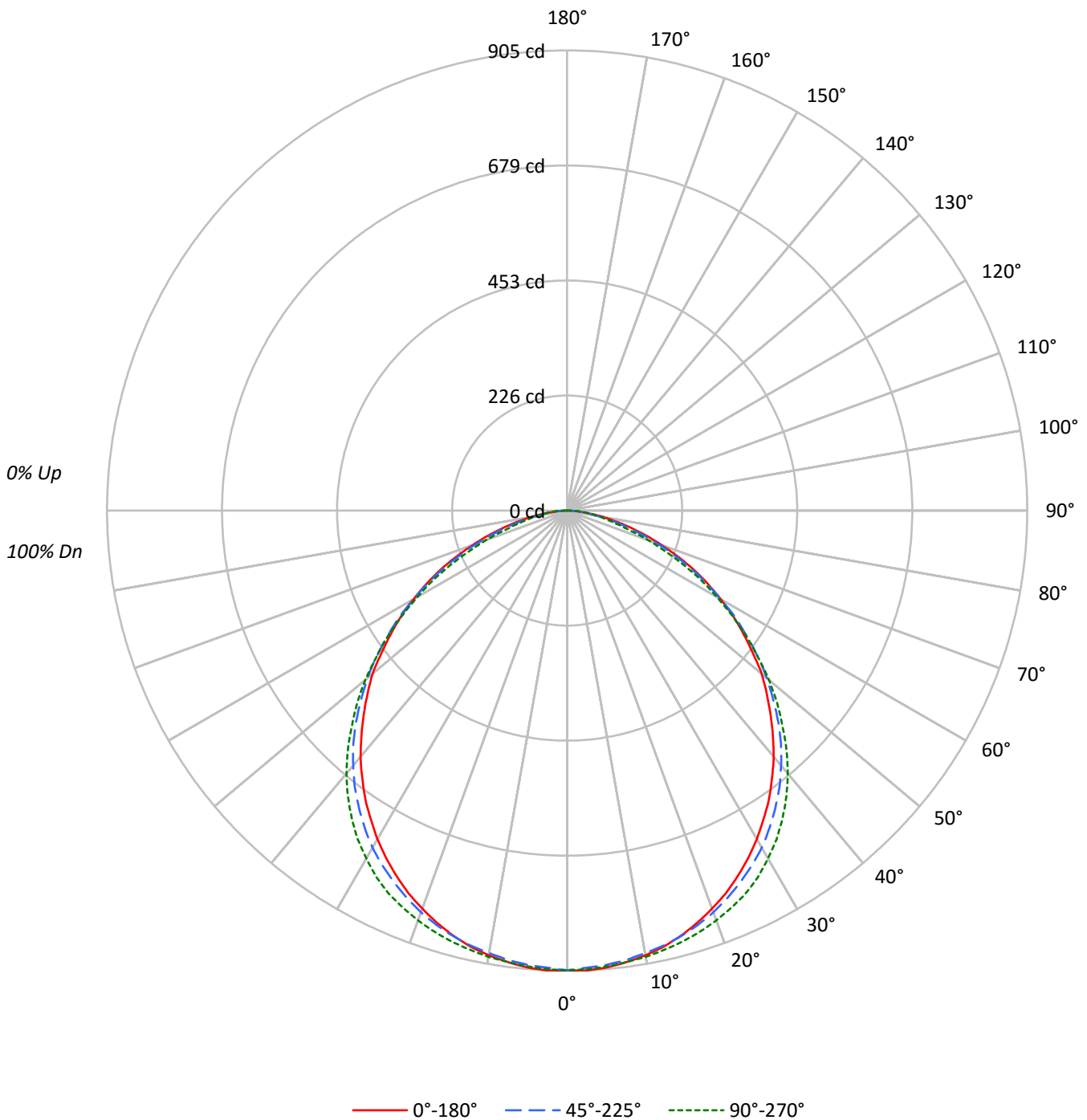
Input Watts (W): 24.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297801

CATALOG NUMBER: D3X-WG-26L92765-LD5-UNV-14-T1-W2A-6500K

Luminous Intensity Polar Plot





TEST NUMBER: P297801

CATALOG NUMBER: D3X-WG-26L92765-LD5-UNV-14-T1-W2A-6500K

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°	2433	2433	2433
5°	2436	2422	2431
10°	2426	2415	2435
15°	2411	2414	2444
20°	2386	2407	2457
25°	2356	2394	2467
30°	2318	2378	2455
35°	2274	2345	2426
40°	2220	2300	2372
45°	2152	2234	2279
50°	2093	2147	2169
55°	1987	2028	2017
60°	1880	1880	1828
65°	1745	1705	1608
70°	1548	1480	1337
75°	1341	1219	1028
80°	1100	950	933
85°	732	865	929



TEST NUMBER: P297801

CATALOG NUMBER: D3X-WG-26L92765-LD5-UNV-14-T1-W2A-6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	3.6
10°-20°	245.4	10.2
20°-30°	372.9	15.5
30°-40°	446.5	18.6
40°-50°	450.4	18.7
50°-60°	383.6	16.0
60°-70°	262.3	10.9
70°-80°	125.6	5.2
80°-90°	31.8	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°	703.8	29.3
0°-40°	1150.3	47.8
0°-60°	1984.3	82.5
0°-90°	2404.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2404.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	904	904	904	904	904	
5°	902	901	897	901	900	86
15°	865	863	866	876	877	244
25°	793	794	806	824	831	365
35°	692	694	714	734	738	433
45°	566	570	587	599	599	437
55°	424	426	432	433	430	379
65°	274	269	268	258	253	270
75°	129	127	117	102	99	138
85°	24	26	28	29	30	30
90°	0	0	0	0	0	



TEST NUMBER: P297801

CATALOG NUMBER: D3X-WG-26L92765-LD5-UNV-14-T1-W2A-6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	904.1	904.1	904.1	904.1	904.1
2.5°	905.2	904.1	899.8	904.1	903.0
5°	901.9	900.9	896.6	900.9	899.8
7.5°	895.5	894.4	891.2	895.5	895.5
10°	888.0	885.8	883.7	890.1	891.2
12.5°	878.3	876.1	876.1	883.7	884.7
15°	865.4	863.2	866.5	876.1	877.2
17.5°	850.3	849.3	854.6	866.5	868.6
20°	833.1	832.1	840.7	854.6	857.9
22.5°	814.9	814.9	824.5	840.7	845.0
25°	793.4	794.4	806.3	824.5	831.0
27.5°	770.8	772.9	786.9	807.3	812.7
30°	746.1	749.3	765.4	784.8	790.1
32.5°	719.2	722.4	740.7	761.1	766.5
35°	692.3	694.5	713.8	734.2	738.5
37.5°	662.2	665.4	685.9	704.1	708.4
40°	632.1	635.3	654.7	671.9	675.1
42.5°	598.8	603.1	622.4	636.4	638.6
45°	565.5	569.8	587.0	598.8	598.8
47.5°	532.1	534.3	549.3	561.2	560.1
50°	499.9	498.8	512.8	518.2	518.2
52.5°	460.1	463.3	473.0	476.2	473.0
55°	423.6	425.7	432.2	433.2	430.0
57.5°	388.1	387.0	392.4	389.2	384.9
60°	349.4	349.4	349.4	346.2	339.7
62.5°	311.8	309.6	308.5	301.0	297.8
65°	274.1	268.8	267.7	258.0	252.6
67.5°	234.4	232.2	226.8	217.2	207.5
70°	196.7	194.6	188.1	176.3	169.9
72.5°	162.3	160.2	151.6	137.6	129.0
75°	129.0	126.9	117.2	102.1	98.9
77.5°	97.8	96.8	87.1	79.6	78.5
80°	71.0	69.9	61.3	61.3	60.2
82.5°	45.2	45.2	43.0	44.1	45.2
85°	23.7	25.8	28.0	29.0	30.1
87.5°	7.5	11.8	14.0	15.1	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)