

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: P297535

Luminaire Tested: **D3X-WO-74L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297535
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-74L92765-LD5-UNV-24-T1-W2A-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6736.0 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

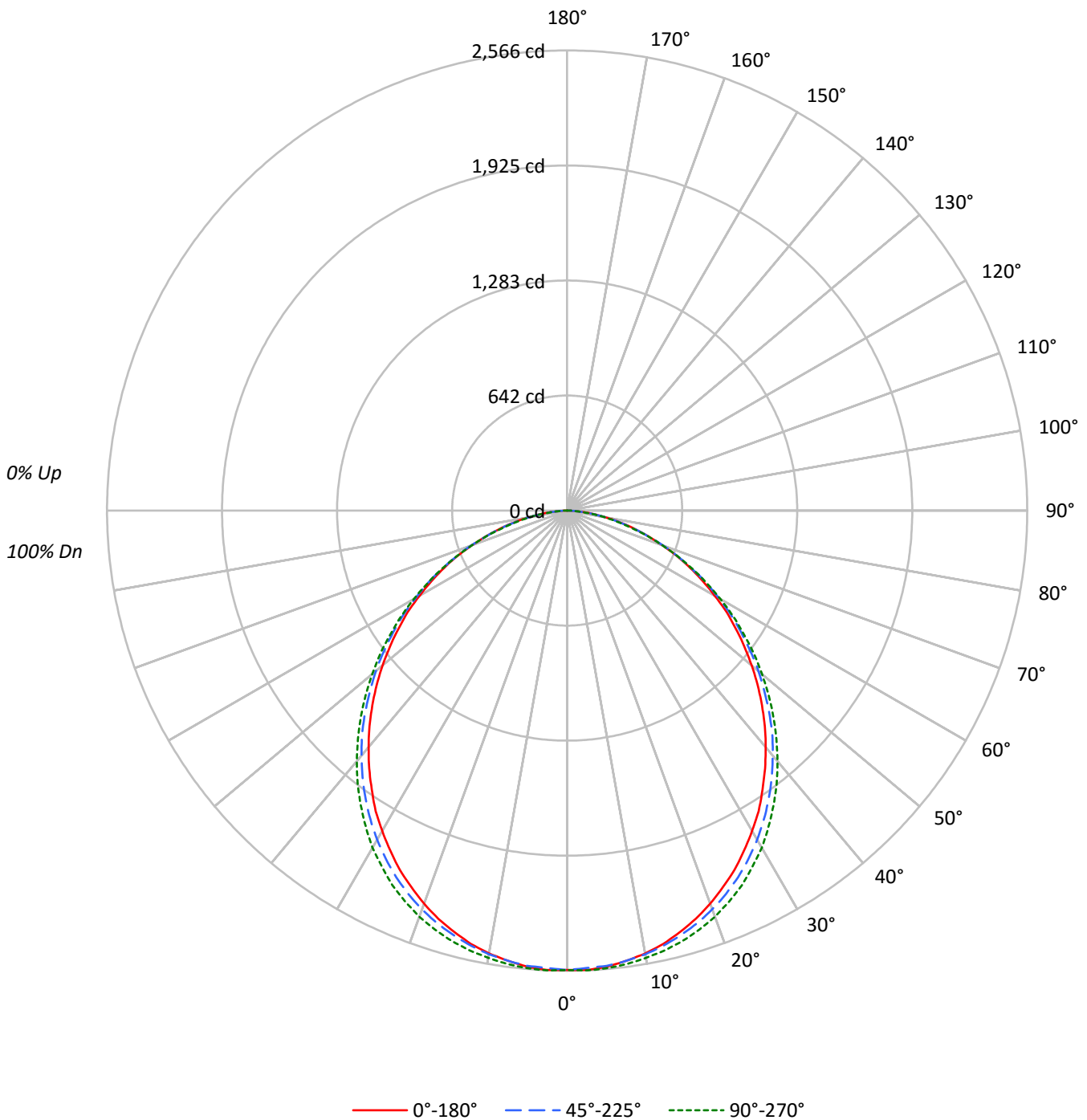
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297535

CATALOG NUMBER: D3X-WO-74L92765-LD5-UNV-24-T1-W2A-4500K

Luminous Intensity Polar Plot





TEST NUMBER: P297535

CATALOG NUMBER: D3X-WO-74L92765-LD5-UNV-24-T1-W2A-4500K

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	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					100			
1	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3447	3447	3447
5°	3448	3442	3460
10°	3426	3432	3460
15°	3388	3414	3461
20°	3340	3389	3450
25°	3281	3348	3423
30°	3205	3293	3374
35°	3120	3220	3295
40°	3025	3133	3204
45°	2923	3031	3096
50°	2812	2916	2969
55°	2693	2779	2821
60°	2559	2626	2656
65°	2413	2449	2464
70°	2214	2240	2214
75°	1994	1982	1923
80°	1688	1671	1618
85°	1261	1226	1085



TEST NUMBER: P297535

CATALOG NUMBER: D3X-WO-74L92765-LD5-UNV-24-T1-W2A-4500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.6	3.6
10°-20°	692.9	10.3
20°-30°	1038.9	15.4
30°-40°	1223.4	18.2
40°-50°	1223.6	18.2
50°-60°	1055.8	15.7
60°-70°	759.7	11.3
70°-80°	403.0	6.0
80°-90°	96.1	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°	1974.3	29.3
0°-40°	3197.8	47.5
0°-60°	5477.2	81.3
0°-90°	6736.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6736.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2562	2562	2562	2562	2562	
5°	2553	2550	2548	2557	2562	242
15°	2432	2439	2451	2476	2485	686
25°	2210	2224	2256	2294	2305	1017
35°	1899	1922	1960	1994	2006	1188
45°	1536	1557	1593	1620	1627	1185
55°	1148	1160	1184	1205	1203	1028
65°	758	760	769	774	774	750
75°	384	379	381	372	370	408
85°	82	82	79	73	70	99
90°	0	0	0	0	0	



TEST NUMBER: P297535

CATALOG NUMBER: D3X-WO-74L92765-LD5-UNV-24-T1-W2A-4500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2561.8	2561.8	2561.8	2561.8	2561.8
2.5°	2564.1	2559.6	2552.7	2561.8	2566.4
5°	2552.7	2550.5	2548.2	2557.3	2561.8
7.5°	2532.3	2534.6	2532.3	2545.9	2550.5
10°	2507.4	2509.6	2511.9	2527.8	2532.3
12.5°	2475.6	2477.9	2484.7	2505.1	2511.9
15°	2432.5	2439.3	2450.6	2475.6	2484.7
17.5°	2387.1	2396.2	2412.1	2441.6	2450.6
20°	2332.6	2344.0	2366.7	2398.4	2409.8
22.5°	2271.4	2282.7	2314.5	2348.5	2359.9
25°	2210.1	2223.7	2255.5	2294.1	2305.4
27.5°	2137.5	2155.7	2189.7	2228.3	2237.3
30°	2062.6	2078.5	2119.3	2155.7	2171.5
32.5°	1987.7	2003.6	2042.2	2078.5	2089.9
35°	1899.2	1921.9	1960.5	1994.5	2005.9
37.5°	1813.0	1833.4	1874.3	1908.3	1919.7
40°	1722.3	1740.4	1783.5	1815.3	1824.4
42.5°	1631.5	1649.6	1692.8	1717.7	1726.8
45°	1536.2	1556.6	1592.9	1620.1	1627.0
47.5°	1440.9	1456.8	1490.8	1515.8	1524.8
50°	1343.3	1359.2	1393.2	1413.7	1418.2
52.5°	1245.7	1257.1	1288.9	1307.0	1313.8
55°	1148.2	1159.5	1184.5	1204.9	1202.6
57.5°	1055.1	1059.7	1084.6	1098.2	1098.2
60°	950.8	955.3	975.7	984.8	987.1
62.5°	853.2	860.0	875.9	878.1	878.1
65°	757.9	760.2	769.2	773.8	773.8
67.5°	662.6	660.3	669.4	669.4	667.1
70°	562.7	567.3	569.5	565.0	562.7
72.5°	472.0	469.7	469.7	467.4	467.4
75°	383.5	378.9	381.2	372.1	369.9
77.5°	301.8	295.0	292.7	288.2	283.6
80°	217.8	217.8	215.6	211.0	208.8
82.5°	145.2	145.2	143.0	138.4	133.9
85°	81.7	81.7	79.4	72.6	70.3
87.5°	27.2	27.2	27.2	27.2	27.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)