

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: P296976

Luminaire Tested: **D3X-WD-74L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-74L92765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6451.0 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

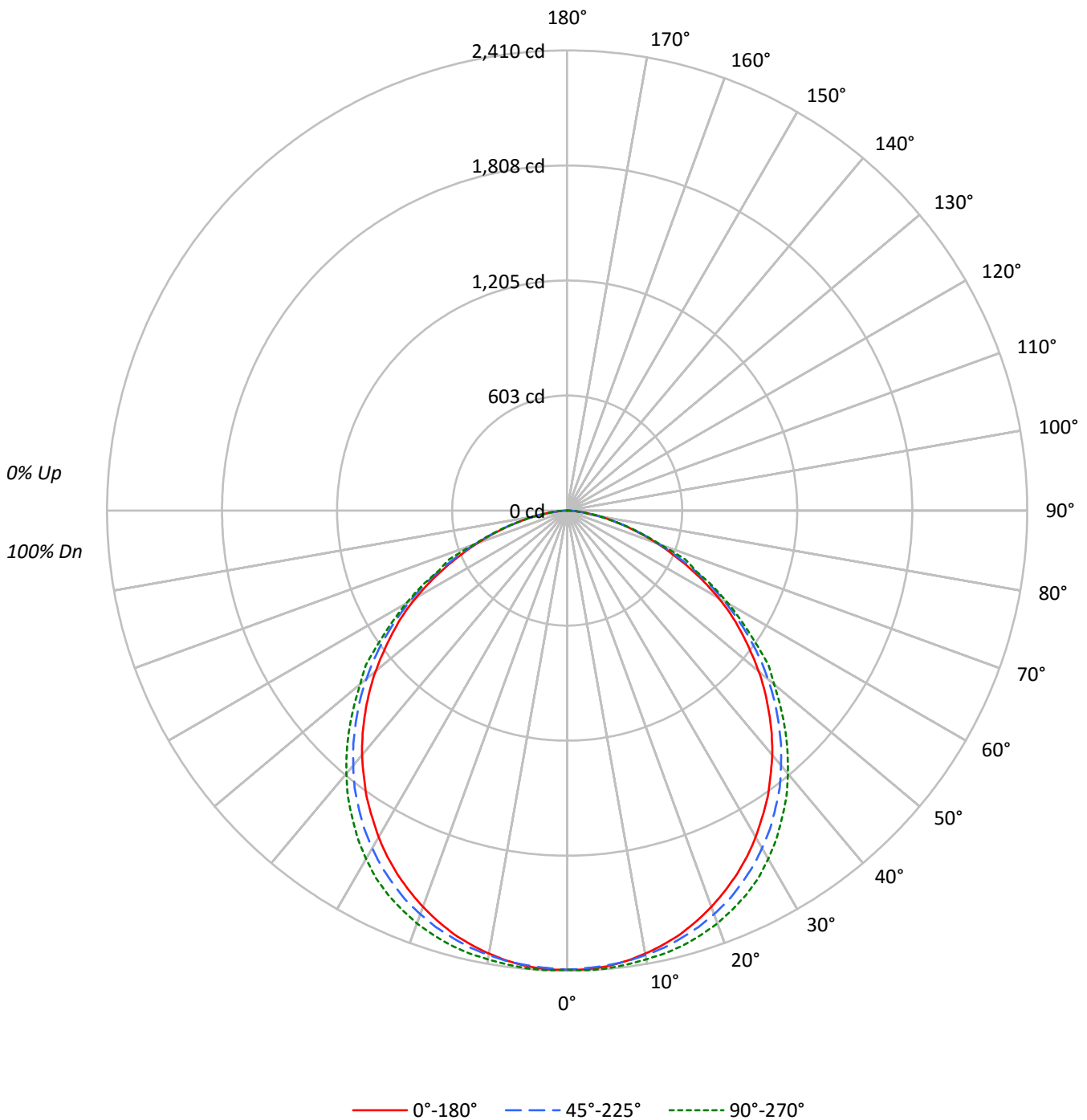
Input Watts (W): 56.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77		83	79	75		80	77	74	72
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	28		38	32	27		37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3236	3236	3236
5°	3236	3229	3251
10°	3219	3229	3260
15°	3198	3227	3282
20°	3162	3221	3294
25°	3120	3203	3295
30°	3068	3172	3272
35°	3007	3125	3224
40°	2935	3061	3159
45°	2845	2977	3070
50°	2742	2873	2960
55°	2617	2737	2818
60°	2467	2560	2622
65°	2240	2314	2358
70°	1967	2012	2040
75°	1660	1684	1697
80°	1327	1345	1309
85°	894	929	894



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.9	3.5
10°-20°	655.4	10.2
20°-30°	994.4	15.4
30°-40°	1187.2	18.4
40°-50°	1202.0	18.6
50°-60°	1038.9	16.1
60°-70°	720.1	11.2
70°-80°	348.4	5.4
80°-90°	76.6	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°	1877.8	29.1
0°-40°	3065.0	47.5
0°-60°	5305.9	82.2
0°-90°	6451.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6451.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2405	2405	2405	2405	2405	
5°	2396	2393	2391	2403	2407	227
15°	2296	2301	2317	2345	2356	647
25°	2102	2116	2157	2201	2220	968
35°	1831	1847	1903	1951	1963	1144
45°	1495	1516	1565	1604	1613	1153
55°	1116	1127	1167	1215	1201	997
65°	704	711	727	738	741	696
75°	319	322	324	322	326	343
85°	58	62	60	58	58	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2404.9	2404.9	2404.9	2404.9	2404.9
2.5°	2404.9	2402.6	2397.9	2404.9	2409.5
5°	2395.6	2393.3	2391.0	2402.6	2407.2
7.5°	2379.4	2379.4	2381.7	2393.3	2397.9
10°	2356.3	2358.6	2363.2	2381.7	2386.4
12.5°	2328.5	2333.1	2344.7	2365.5	2374.8
15°	2296.1	2300.7	2316.9	2344.7	2356.3
17.5°	2254.4	2263.7	2286.8	2319.2	2330.8
20°	2208.1	2219.7	2249.8	2286.8	2300.7
22.5°	2157.2	2168.8	2208.1	2247.5	2261.4
25°	2101.7	2115.6	2157.2	2201.2	2219.7
27.5°	2041.5	2057.7	2104.0	2150.3	2168.8
30°	1974.4	1992.9	2041.5	2090.1	2106.3
32.5°	1902.6	1921.1	1976.7	2023.0	2039.2
35°	1830.9	1847.1	1902.6	1951.2	1962.8
37.5°	1749.9	1768.4	1828.5	1870.2	1886.4
40°	1671.2	1689.7	1742.9	1784.6	1798.5
42.5°	1585.5	1604.0	1657.3	1696.6	1708.2
45°	1495.2	1516.1	1564.7	1604.0	1613.3
47.5°	1405.0	1421.2	1472.1	1506.8	1513.8
50°	1310.1	1326.3	1372.6	1407.3	1414.2
52.5°	1210.5	1236.0	1273.0	1298.5	1328.6
55°	1115.6	1127.2	1166.6	1215.2	1201.3
57.5°	1020.7	1027.7	1060.1	1080.9	1085.6
60°	916.6	925.8	951.3	962.9	974.5
62.5°	807.8	814.7	844.8	856.4	861.0
65°	703.6	710.6	726.8	738.4	740.7
67.5°	597.2	604.1	618.0	627.3	668.9
70°	500.0	504.6	511.5	530.0	518.5
72.5°	407.4	409.7	416.6	416.6	418.9
75°	319.4	321.7	324.0	321.7	326.4
77.5°	238.4	243.0	245.3	243.0	240.7
80°	171.3	175.9	173.6	169.0	169.0
82.5°	111.1	113.4	111.1	108.8	108.8
85°	57.9	62.5	60.2	57.9	57.9
87.5°	20.8	23.1	25.5	27.8	27.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)