

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: P296977

Luminaire Tested: **D3X-WD-74L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296977
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-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6550.0 lumens
Efficiency: N/A
Efficacy: 115.7 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

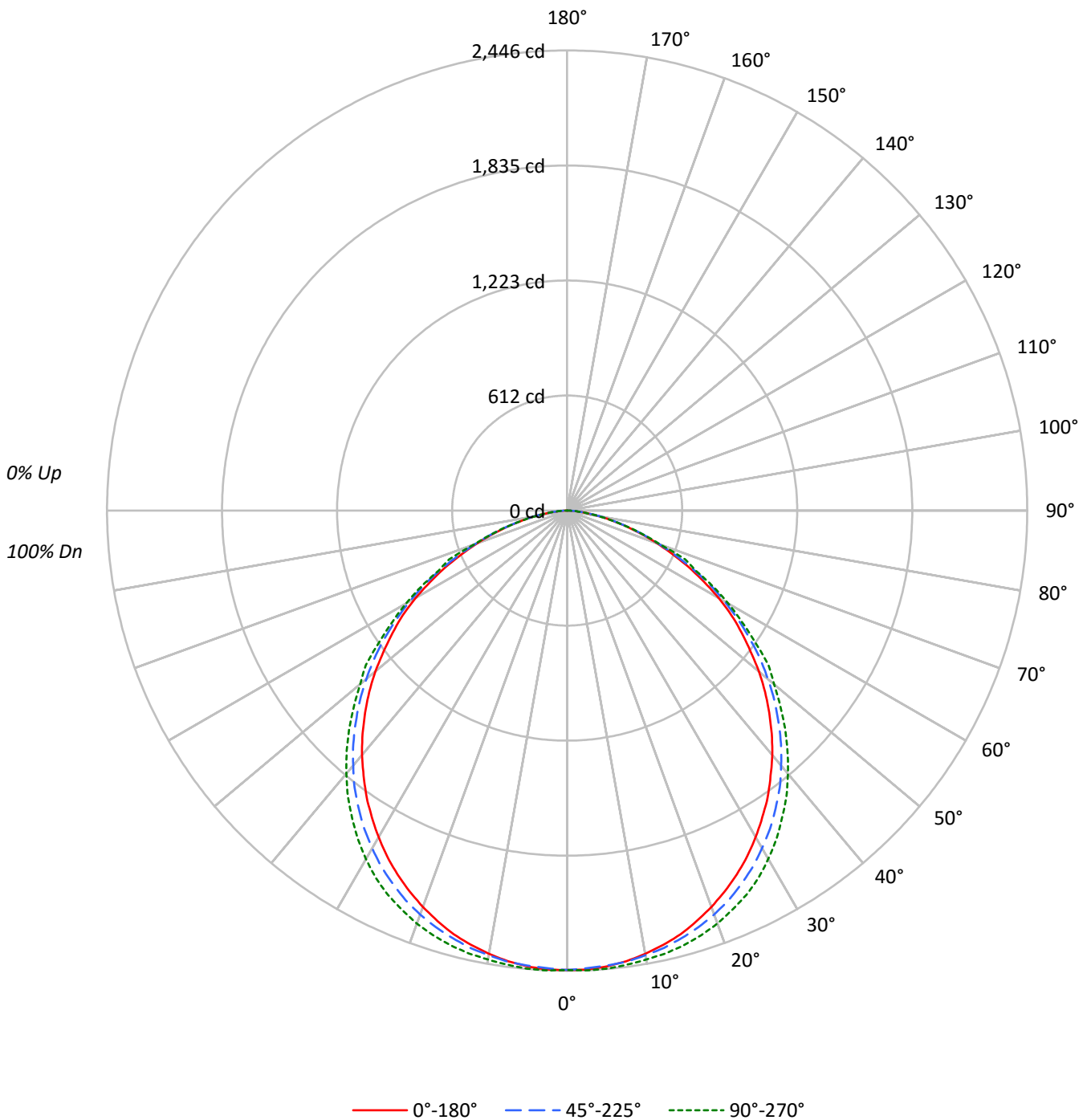
Input Watts (W): 56.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3285	3285	3285
5°	3285	3279	3301
10°	3269	3278	3310
15°	3247	3277	3333
20°	3210	3271	3345
25°	3168	3252	3346
30°	3115	3220	3323
35°	3053	3173	3273
40°	2980	3108	3207
45°	2889	3023	3117
50°	2784	2917	3006
55°	2657	2779	2861
60°	2504	2599	2662
65°	2274	2349	2394
70°	1997	2043	2071
75°	1686	1710	1723
80°	1347	1366	1330
85°	908	943	908



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.4	3.5
10°-20°	665.5	10.2
20°-30°	1009.7	15.4
30°-40°	1205.5	18.4
40°-50°	1220.4	18.6
50°-60°	1054.9	16.1
60°-70°	731.1	11.2
70°-80°	353.8	5.4
80°-90°	77.8	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°	1906.6	29.1
0°-40°	3112.0	47.5
0°-60°	5387.3	82.2
0°-90°	6550.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6550.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2442	2442	2442	2442	2442	
5°	2432	2430	2428	2439	2444	231
15°	2331	2336	2352	2381	2392	657
25°	2134	2148	2190	2235	2254	983
35°	1859	1875	1932	1981	1993	1161
45°	1518	1539	1589	1629	1638	1171
55°	1133	1144	1184	1234	1220	1012
65°	714	722	738	750	752	707
75°	324	327	329	327	331	348
85°	59	64	61	59	59	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2441.8	2441.8	2441.8	2441.8	2441.8
2.5°	2441.8	2439.4	2434.7	2441.8	2446.5
5°	2432.4	2430.0	2427.7	2439.4	2444.1
7.5°	2415.9	2415.9	2418.3	2430.0	2434.7
10°	2392.4	2394.8	2399.5	2418.3	2423.0
12.5°	2364.2	2368.9	2380.7	2401.8	2411.2
15°	2331.3	2336.0	2352.5	2380.7	2392.4
17.5°	2289.0	2298.4	2321.9	2354.8	2366.6
20°	2242.0	2253.8	2284.3	2321.9	2336.0
22.5°	2190.3	2202.1	2242.0	2282.0	2296.1
25°	2133.9	2148.0	2190.3	2235.0	2253.8
27.5°	2072.8	2089.3	2136.3	2183.3	2202.1
30°	2004.7	2023.5	2072.8	2122.2	2138.6
32.5°	1931.8	1950.6	2007.0	2054.0	2070.5
35°	1859.0	1875.4	1931.8	1981.2	1992.9
37.5°	1776.7	1795.5	1856.6	1898.9	1915.4
40°	1696.8	1715.6	1769.7	1812.0	1826.1
42.5°	1609.8	1628.6	1682.7	1722.7	1734.4
45°	1518.2	1539.3	1588.7	1628.6	1638.0
47.5°	1426.5	1443.0	1494.7	1529.9	1537.0
50°	1330.2	1346.6	1393.6	1428.9	1435.9
52.5°	1229.1	1255.0	1292.6	1318.4	1349.0
55°	1132.8	1144.5	1184.5	1233.8	1219.7
57.5°	1036.4	1043.5	1076.4	1097.5	1102.2
60°	930.7	940.1	965.9	977.7	989.4
62.5°	820.2	827.2	857.8	869.6	874.3
65°	714.4	721.5	737.9	749.7	752.0
67.5°	606.3	613.4	627.5	636.9	679.2
70°	507.6	512.3	519.4	538.2	526.4
72.5°	413.6	416.0	423.0	423.0	425.4
75°	324.3	326.7	329.0	326.7	331.4
77.5°	242.1	246.8	249.1	246.8	244.4
80°	173.9	178.6	176.3	171.6	171.6
82.5°	112.8	115.2	112.8	110.5	110.5
85°	58.8	63.5	61.1	58.8	58.8
87.5°	21.2	23.5	25.9	28.2	28.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)