

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: P296746

Luminaire Tested: **D3X-WD-67L83050-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296746
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-67L83050-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6601.0 lumens
Efficiency: N/A
Efficacy: 132.6 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

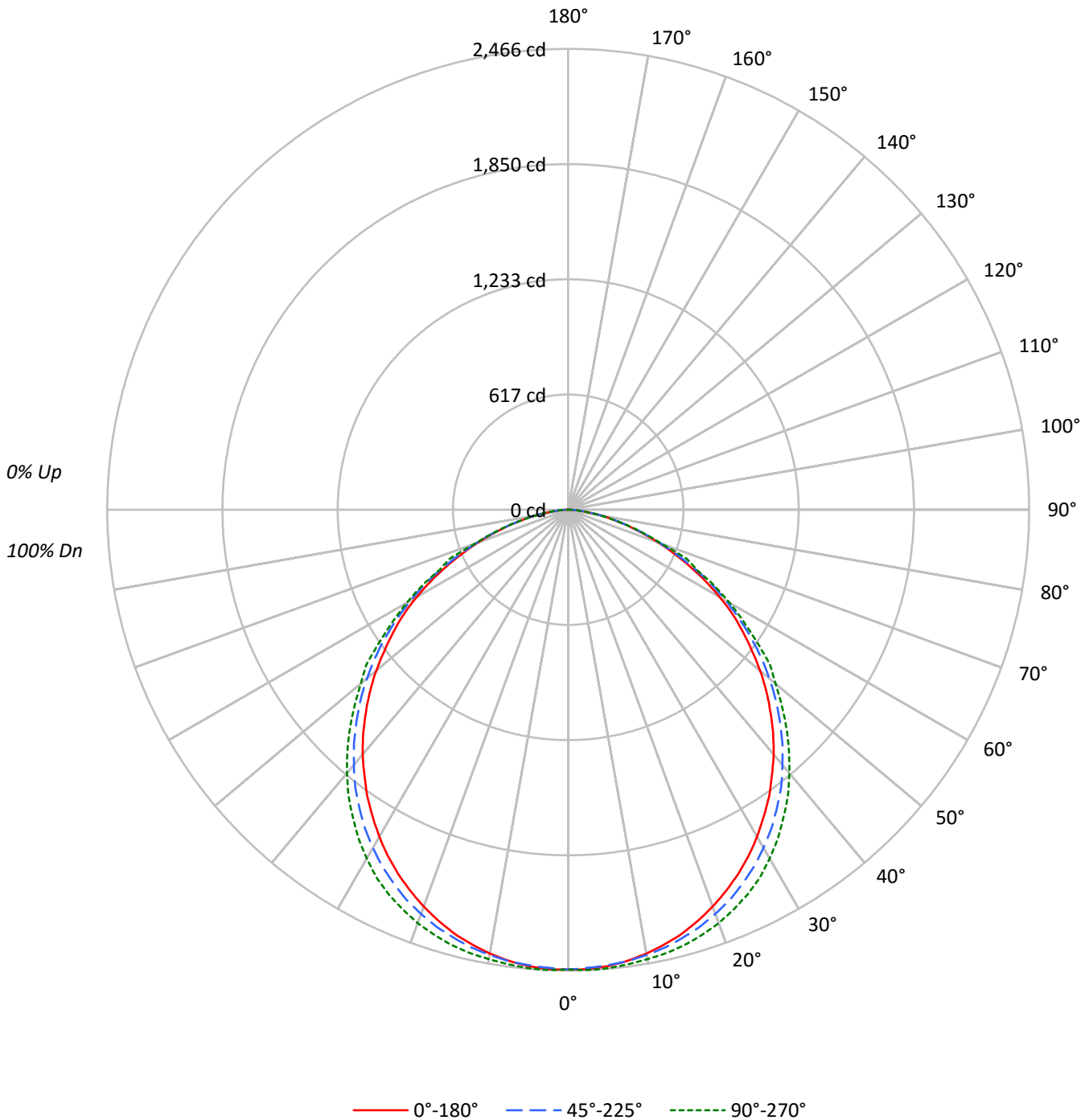
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P296746

CATALOG NUMBER: D3X-WD-67L83050-LD5-UNV-24-T1-W2A-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P296746

CATALOG NUMBER: D3X-WD-67L83050-LD5-UNV-24-T1-W2A-4000K

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°	3311	3311	3311
5°	3311	3304	3327
10°	3294	3304	3336
15°	3273	3302	3359
20°	3235	3296	3371
25°	3193	3277	3372
30°	3139	3246	3349
35°	3077	3198	3299
40°	3003	3132	3232
45°	2911	3047	3141
50°	2806	2940	3029
55°	2678	2800	2883
60°	2524	2619	2683
65°	2292	2368	2413
70°	2013	2059	2087
75°	1699	1724	1736
80°	1358	1376	1340
85°	914	951	914



TEST NUMBER: P296746

CATALOG NUMBER: D3X-WD-67L83050-LD5-UNV-24-T1-W2A-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.2	3.5
10°-20°	670.7	10.2
20°-30°	1017.6	15.4
30°-40°	1214.8	18.4
40°-50°	1229.9	18.6
50°-60°	1063.1	16.1
60°-70°	736.8	11.2
70°-80°	356.5	5.4
80°-90°	78.4	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°	1921.4	29.1
0°-40°	3136.3	47.5
0°-60°	5429.3	82.2
0°-90°	6601.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6601.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2461	2461	2461	2461	2461	
5°	2451	2449	2447	2458	2463	233
15°	2350	2354	2371	2399	2411	662
25°	2150	2165	2207	2252	2271	990
35°	1873	1890	1947	1997	2008	1170
45°	1530	1551	1601	1641	1651	1180
55°	1142	1153	1194	1243	1229	1020
65°	720	727	744	756	758	713
75°	327	329	332	329	334	351
85°	59	64	62	59	59	77
90°	0	0	0	0	0	



TEST NUMBER: P296746

CATALOG NUMBER: D3X-WD-67L83050-LD5-UNV-24-T1-W2A-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2460.8	2460.8	2460.8	2460.8	2460.8
2.5°	2460.8	2458.4	2453.7	2460.8	2465.5
5°	2451.3	2449.0	2446.6	2458.4	2463.2
7.5°	2434.8	2434.8	2437.1	2449.0	2453.7
10°	2411.1	2413.4	2418.2	2437.1	2441.9
12.5°	2382.6	2387.4	2399.2	2420.5	2430.0
15°	2349.5	2354.2	2370.8	2399.2	2411.1
17.5°	2306.9	2316.3	2340.0	2373.2	2385.0
20°	2259.5	2271.3	2302.1	2340.0	2354.2
22.5°	2207.4	2219.2	2259.5	2299.8	2314.0
25°	2150.5	2164.8	2207.4	2252.4	2271.3
27.5°	2089.0	2105.5	2152.9	2200.3	2219.2
30°	2020.3	2039.2	2089.0	2138.7	2155.3
32.5°	1946.9	1965.8	2022.6	2070.0	2086.6
35°	1873.4	1890.0	1946.9	1996.6	2008.4
37.5°	1790.5	1809.5	1871.1	1913.7	1930.3
40°	1710.0	1729.0	1783.4	1826.1	1840.3
42.5°	1622.4	1641.3	1695.8	1736.1	1747.9
45°	1530.0	1551.3	1601.1	1641.3	1650.8
47.5°	1437.6	1454.2	1506.3	1541.9	1549.0
50°	1340.5	1357.1	1404.5	1440.0	1447.1
52.5°	1238.7	1264.7	1302.6	1328.7	1359.5
55°	1141.6	1153.4	1193.7	1243.4	1229.2
57.5°	1044.5	1051.6	1084.7	1106.1	1110.8
60°	937.9	947.4	973.4	985.3	997.1
62.5°	826.6	833.7	864.5	876.3	881.1
65°	720.0	727.1	743.7	755.5	757.9
67.5°	611.1	618.2	632.4	641.8	684.5
70°	511.6	516.3	523.4	542.4	530.5
72.5°	416.8	419.2	426.3	426.3	428.7
75°	326.8	329.2	331.6	329.2	333.9
77.5°	243.9	248.7	251.1	248.7	246.3
80°	175.3	180.0	177.6	172.9	172.9
82.5°	113.7	116.1	113.7	111.3	111.3
85°	59.2	63.9	61.6	59.2	59.2
87.5°	21.3	23.7	26.1	28.4	28.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)