

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: P297382

Luminaire Tested: **D3X-WO-67L82765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297382
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-67L82765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6145.0 lumens
Efficiency: N/A
Efficacy: 126.4 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

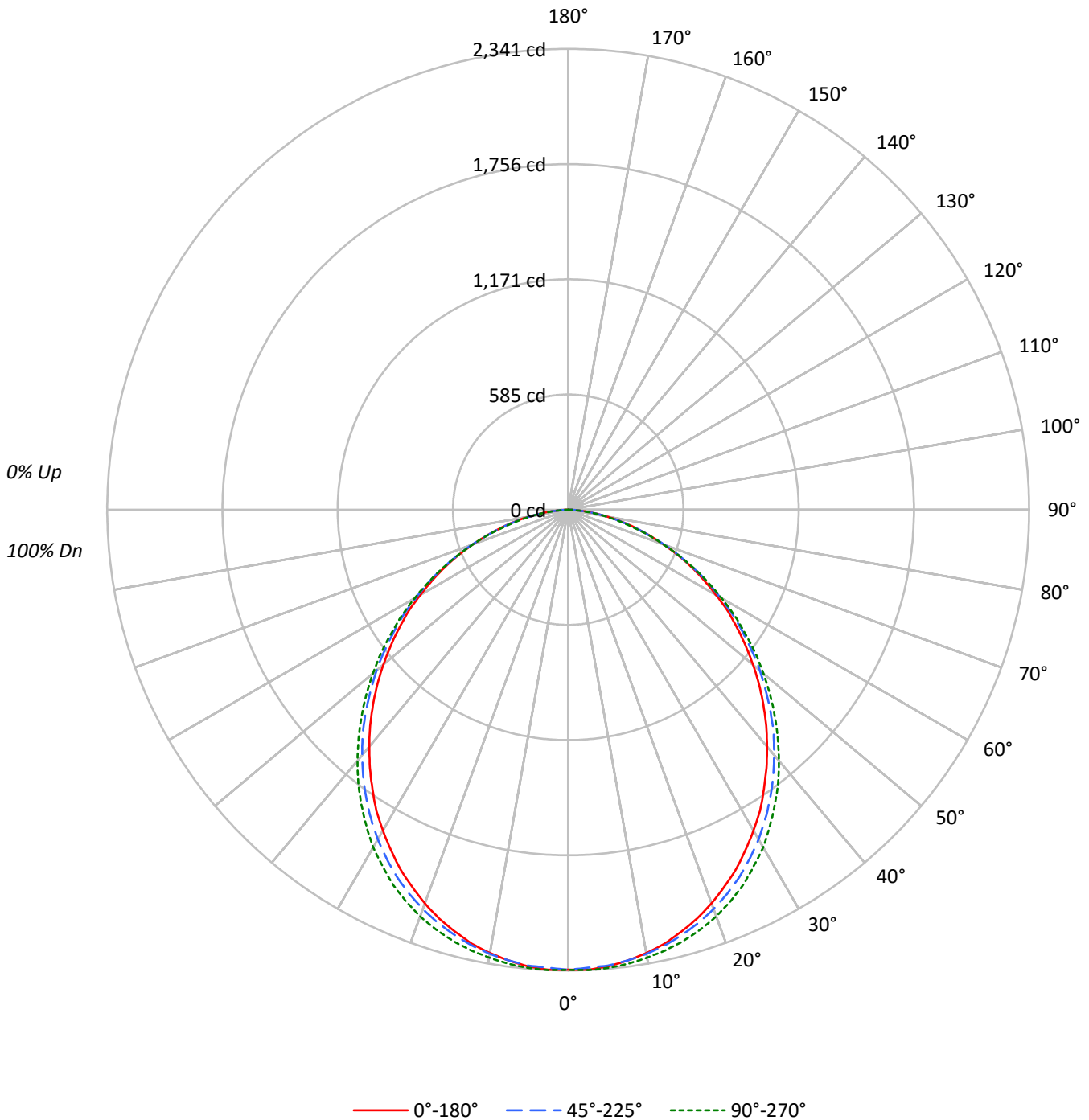
Input Watts (W): 48.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3145	3145	3145
5°	3145	3140	3157
10°	3125	3131	3156
15°	3091	3114	3157
20°	3047	3091	3148
25°	2993	3055	3122
30°	2923	3004	3078
35°	2846	2938	3006
40°	2759	2858	2923
45°	2667	2765	2824
50°	2565	2660	2708
55°	2457	2535	2574
60°	2334	2395	2423
65°	2201	2234	2247
70°	2020	2044	2020
75°	1818	1808	1754
80°	1540	1524	1475
85°	1150	1119	991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.3	3.6
10°-20°	632.1	10.3
20°-30°	947.7	15.4
30°-40°	1116.1	18.2
40°-50°	1116.3	18.2
50°-60°	963.2	15.7
60°-70°	693.1	11.3
70°-80°	367.6	6.0
80°-90°	87.7	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°	1801.1	29.3
0°-40°	2917.2	47.5
0°-60°	4996.6	81.3
0°-90°	6145.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6145.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2337	2337	2337	2337	2337	
5°	2329	2327	2325	2333	2337	221
15°	2219	2225	2236	2258	2267	626
25°	2016	2029	2058	2093	2103	927
35°	1733	1753	1788	1820	1830	1084
45°	1401	1420	1453	1478	1484	1081
55°	1047	1058	1081	1099	1097	937
65°	691	694	702	706	706	684
75°	350	346	348	340	337	372
85°	74	74	72	66	64	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2337.1	2337.1	2337.1	2337.1	2337.1
2.5°	2339.1	2335.0	2328.8	2337.1	2341.2
5°	2328.8	2326.7	2324.6	2332.9	2337.1
7.5°	2310.1	2312.2	2310.1	2322.6	2326.7
10°	2287.4	2289.4	2291.5	2306.0	2310.1
12.5°	2258.4	2260.5	2266.7	2285.3	2291.5
15°	2219.1	2225.3	2235.6	2258.4	2266.7
17.5°	2177.7	2185.9	2200.4	2227.3	2235.6
20°	2128.0	2138.3	2159.0	2188.0	2198.4
22.5°	2072.1	2082.4	2111.4	2142.5	2152.8
25°	2016.2	2028.6	2057.6	2092.8	2103.1
27.5°	1950.0	1966.5	1997.6	2032.8	2041.0
30°	1881.7	1896.1	1933.4	1966.5	1981.0
32.5°	1813.3	1827.8	1863.0	1896.1	1906.5
35°	1732.6	1753.3	1788.5	1819.6	1829.9
37.5°	1653.9	1672.6	1709.8	1740.9	1751.2
40°	1571.1	1587.7	1627.0	1656.0	1664.3
42.5°	1488.3	1504.9	1544.2	1567.0	1575.3
45°	1401.4	1420.0	1453.2	1478.0	1484.2
47.5°	1314.5	1329.0	1360.0	1382.8	1391.1
50°	1225.5	1239.9	1271.0	1289.6	1293.8
52.5°	1136.4	1146.8	1175.8	1192.3	1198.5
55°	1047.4	1057.8	1080.6	1099.2	1097.1
57.5°	962.6	966.7	989.5	1001.9	1001.9
60°	867.3	871.5	890.1	898.4	900.5
62.5°	778.3	784.5	799.0	801.1	801.1
65°	691.4	693.5	701.7	705.9	705.9
67.5°	604.4	602.4	610.7	610.7	608.6
70°	513.4	517.5	519.6	515.4	513.4
72.5°	430.6	428.5	428.5	426.4	426.4
75°	349.8	345.7	347.8	339.5	337.4
77.5°	275.3	269.1	267.0	262.9	258.8
80°	198.7	198.7	196.7	192.5	190.4
82.5°	132.5	132.5	130.4	126.3	122.1
85°	74.5	74.5	72.5	66.2	64.2
87.5°	24.8	24.8	24.8	24.8	24.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)