

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: P297445

Luminaire Tested: **D3X-WO-67L93050-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297445
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-67L93050-LD5-UNV-24-T1-W2A-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5692.0 lumens
Efficiency: N/A
Efficacy: 114.8 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

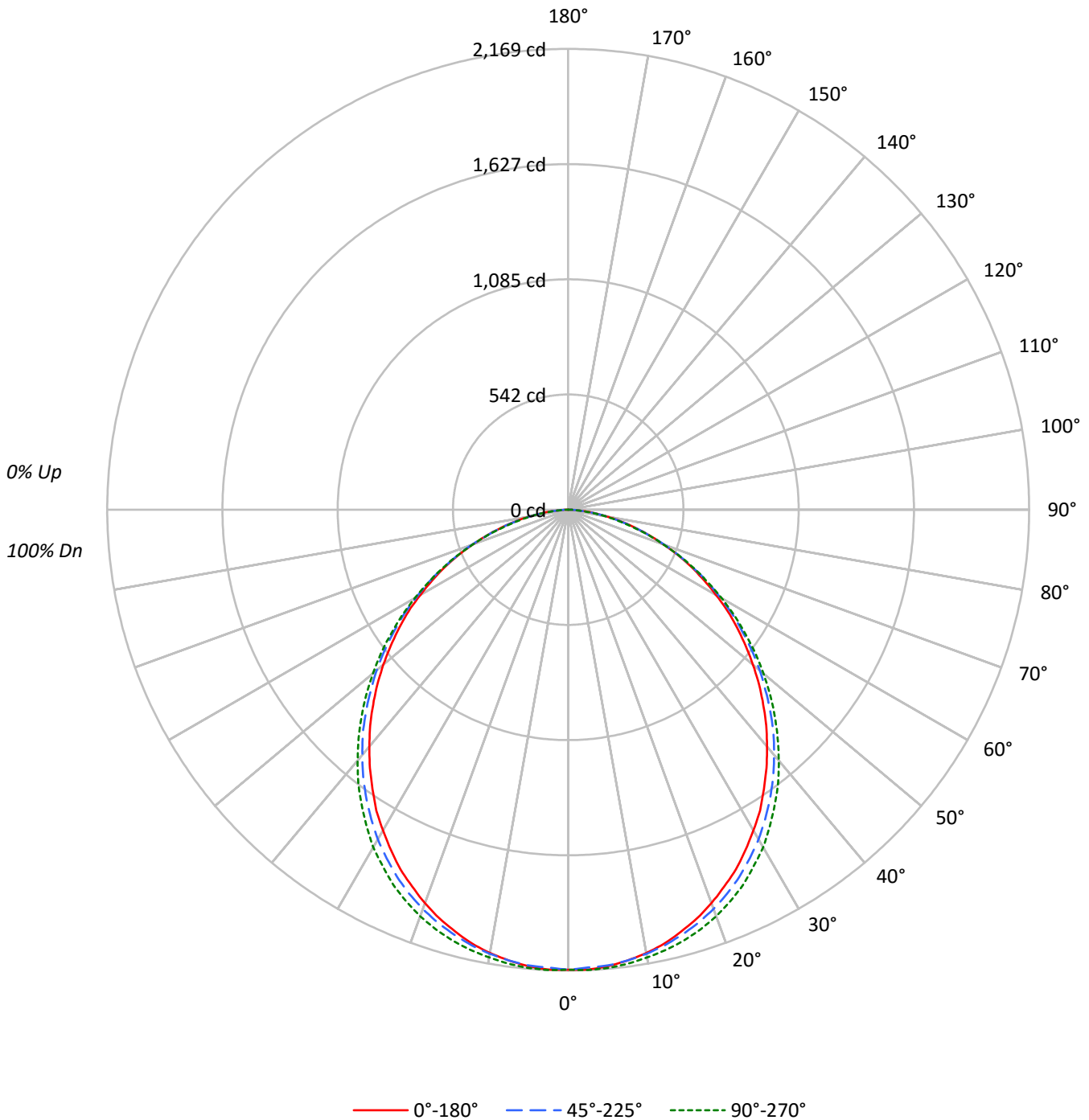
Input Watts (W): 49.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2913	2913	2913
5°	2913	2908	2924
10°	2895	2900	2923
15°	2863	2885	2925
20°	2822	2864	2916
25°	2773	2829	2892
30°	2708	2782	2851
35°	2636	2721	2784
40°	2556	2647	2708
45°	2470	2561	2616
50°	2376	2464	2509
55°	2276	2348	2384
60°	2162	2219	2245
65°	2039	2069	2082
70°	1871	1893	1871
75°	1684	1674	1625
80°	1426	1412	1367
85°	1065	1036	917



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.0	3.6
10°-20°	585.5	10.3
20°-30°	877.9	15.4
30°-40°	1033.8	18.2
40°-50°	1034.0	18.2
50°-60°	892.2	15.7
60°-70°	642.0	11.3
70°-80°	340.5	6.0
80°-90°	81.2	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°	1668.3	29.3
0°-40°	2702.2	47.5
0°-60°	4628.3	81.3
0°-90°	5692.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5692.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2165	2165	2165	2165	2165	
5°	2157	2155	2153	2161	2165	205
15°	2056	2061	2071	2092	2100	580
25°	1868	1879	1906	1938	1948	859
35°	1605	1624	1657	1685	1695	1004
45°	1298	1315	1346	1369	1375	1001
55°	970	980	1001	1018	1016	868
65°	640	642	650	654	654	633
75°	324	320	322	314	312	345
85°	69	69	67	61	59	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2164.8	2164.8	2164.8	2164.8	2164.8
2.5°	2166.7	2162.9	2157.1	2164.8	2168.6
5°	2157.1	2155.2	2153.3	2160.9	2164.8
7.5°	2139.8	2141.8	2139.8	2151.4	2155.2
10°	2118.8	2120.7	2122.6	2136.0	2139.8
12.5°	2091.9	2093.8	2099.6	2116.8	2122.6
15°	2055.5	2061.2	2070.8	2091.9	2099.6
17.5°	2017.1	2024.8	2038.2	2063.1	2070.8
20°	1971.1	1980.7	1999.9	2026.7	2036.3
22.5°	1919.3	1928.9	1955.8	1984.5	1994.1
25°	1867.6	1879.1	1905.9	1938.5	1948.1
27.5°	1806.2	1821.6	1850.3	1882.9	1890.6
30°	1742.9	1756.4	1790.9	1821.6	1835.0
32.5°	1679.7	1693.1	1725.7	1756.4	1765.9
35°	1604.9	1624.1	1656.7	1685.4	1695.0
37.5°	1532.0	1549.3	1583.8	1612.6	1622.1
40°	1455.3	1470.7	1507.1	1533.9	1541.6
42.5°	1378.6	1394.0	1430.4	1451.5	1459.2
45°	1298.1	1315.4	1346.0	1369.0	1374.8
47.5°	1217.6	1231.0	1259.7	1280.8	1288.5
50°	1135.1	1148.5	1177.3	1194.6	1198.4
52.5°	1052.7	1062.3	1089.1	1104.4	1110.2
55°	970.2	979.8	1000.9	1018.2	1016.2
57.5°	891.6	895.4	916.5	928.0	928.0
60°	803.4	807.2	824.5	832.2	834.1
62.5°	721.0	726.7	740.1	742.0	742.0
65°	640.4	642.3	650.0	653.8	653.8
67.5°	559.9	558.0	565.6	565.6	563.7
70°	475.5	479.4	481.3	477.4	475.5
72.5°	398.8	396.9	396.9	395.0	395.0
75°	324.0	320.2	322.1	314.5	312.5
77.5°	255.0	249.3	247.3	243.5	239.7
80°	184.1	184.1	182.2	178.3	176.4
82.5°	122.7	122.7	120.8	117.0	113.1
85°	69.0	69.0	67.1	61.4	59.4
87.5°	23.0	23.0	23.0	23.0	23.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)