

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: P297103

Luminaire Tested: **D3X-WG-67L82765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297103
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-67L82765-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5946.0 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

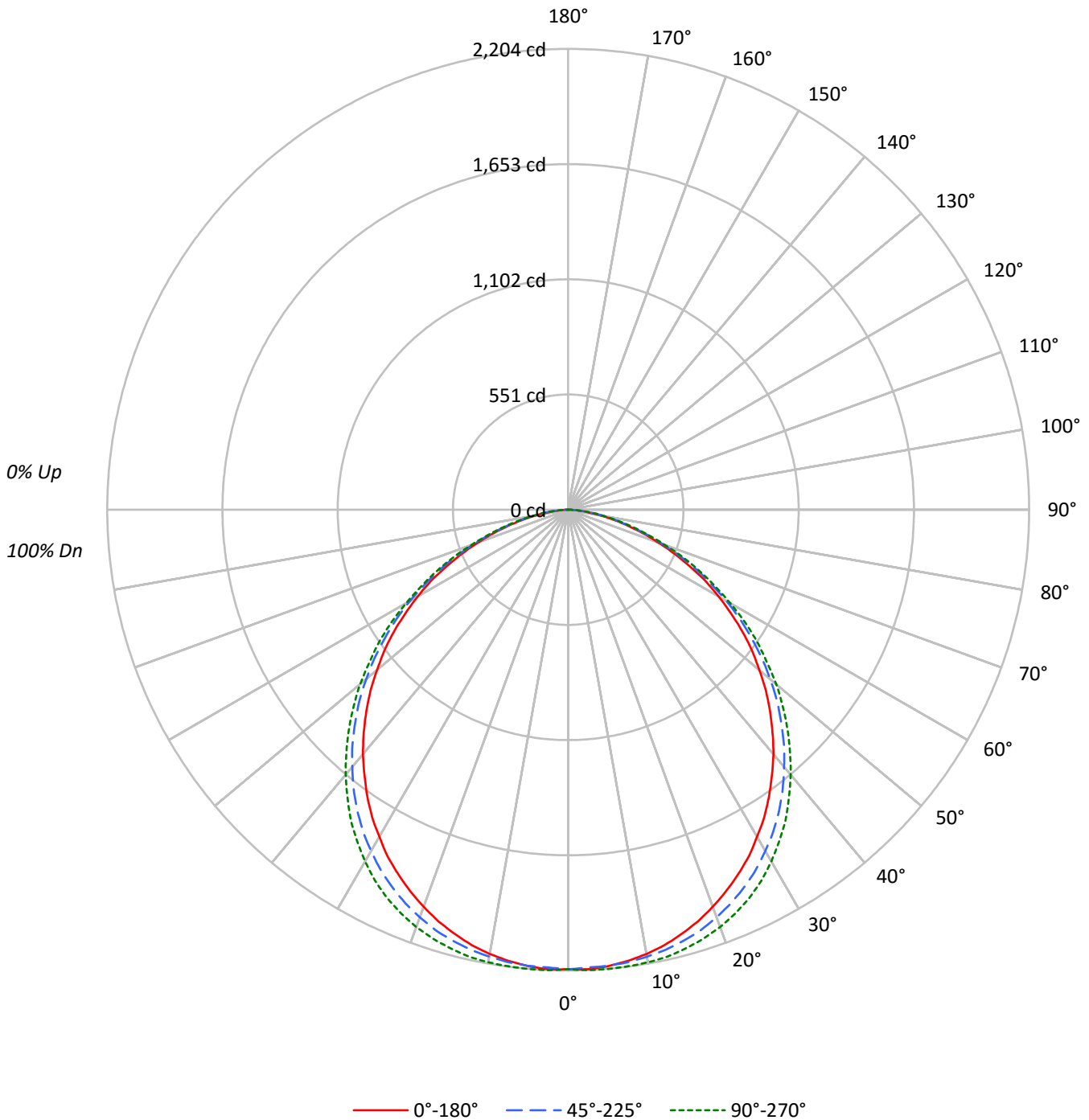
Input Watts (W): 48.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	47	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	27	38	32	27	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2958	2958	2958
5°	2960	2957	2977
10°	2948	2965	3003
15°	2925	2973	3026
20°	2894	2970	3041
25°	2855	2957	3042
30°	2806	2929	3018
35°	2750	2886	2977
40°	2682	2821	2907
45°	2598	2740	2821
50°	2497	2639	2720
55°	2388	2508	2588
60°	2235	2350	2407
65°	2041	2150	2204
70°	1793	1885	1936
75°	1517	1594	1650
80°	1205	1320	1354
85°	821	986	954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.9	3.5
10°-20°	603.0	10.1
20°-30°	916.3	15.4
30°-40°	1093.4	18.4
40°-50°	1104.3	18.6
50°-60°	951.4	16.0
60°-70°	663.3	11.2
70°-80°	328.7	5.5
80°-90°	76.6	1.3
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°	1728.2	29.1
0°-40°	2821.6	47.5
0°-60°	4877.4	82.0
0°-90°	5946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5946.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2198	2198	2198	2198	2198	
5°	2192	2190	2190	2200	2204	208
15°	2100	2111	2134	2162	2173	592
25°	1923	1949	1992	2032	2049	886
35°	1674	1702	1757	1798	1813	1046
45°	1365	1395	1440	1474	1482	1052
55°	1018	1039	1069	1095	1103	907
65°	641	654	675	682	692	637
75°	292	296	307	313	317	315
85°	53	64	64	60	62	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2198.1	2198.1	2198.1	2198.1	2198.1
2.5°	2200.2	2196.0	2191.7	2200.2	2204.5
5°	2191.7	2189.6	2189.6	2200.2	2204.5
7.5°	2176.8	2176.8	2183.2	2198.1	2202.4
10°	2157.6	2161.9	2170.4	2191.7	2198.1
12.5°	2132.1	2140.6	2155.5	2181.1	2189.6
15°	2100.1	2110.8	2134.2	2161.9	2172.6
17.5°	2063.9	2078.8	2108.7	2140.6	2151.3
20°	2021.3	2040.5	2074.6	2110.8	2123.6
22.5°	1974.5	1997.9	2036.2	2074.6	2089.5
25°	1923.3	1948.9	1991.5	2032.0	2049.0
27.5°	1870.1	1895.7	1942.5	1983.0	2000.0
30°	1806.2	1836.0	1885.0	1927.6	1942.5
32.5°	1744.4	1774.2	1825.4	1863.7	1878.6
35°	1674.1	1701.8	1757.2	1797.7	1812.6
37.5°	1599.6	1631.5	1684.8	1721.0	1733.8
40°	1527.2	1554.9	1606.0	1642.2	1655.0
42.5°	1446.2	1476.1	1527.2	1559.1	1569.8
45°	1365.3	1395.1	1439.8	1473.9	1482.4
47.5°	1282.2	1309.9	1354.6	1382.3	1390.9
50°	1192.8	1218.3	1260.9	1288.6	1299.3
52.5°	1107.6	1131.0	1167.2	1190.6	1197.0
55°	1018.1	1039.4	1069.2	1094.8	1103.3
57.5°	922.3	945.7	973.4	994.7	1001.1
60°	830.7	849.9	873.3	892.4	894.6
62.5°	741.2	749.7	771.0	788.1	790.2
65°	641.1	653.9	675.2	681.6	692.2
67.5°	549.5	558.0	575.1	583.6	592.1
70°	455.8	462.2	479.2	489.9	492.0
72.5°	374.9	377.0	389.8	398.3	400.4
75°	291.8	296.1	306.7	313.1	317.4
77.5°	221.5	225.8	234.3	238.6	238.6
80°	155.5	161.9	170.4	172.5	174.7
82.5°	100.1	108.6	115.0	117.1	112.9
85°	53.2	63.9	63.9	59.6	61.8
87.5°	19.2	23.4	25.6	27.7	27.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)