

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: P296963

Luminaire Tested: **D3X-WD-67L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296963
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-67L92765-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5123.0 lumens
Efficiency: N/A
Efficacy: 106.3 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

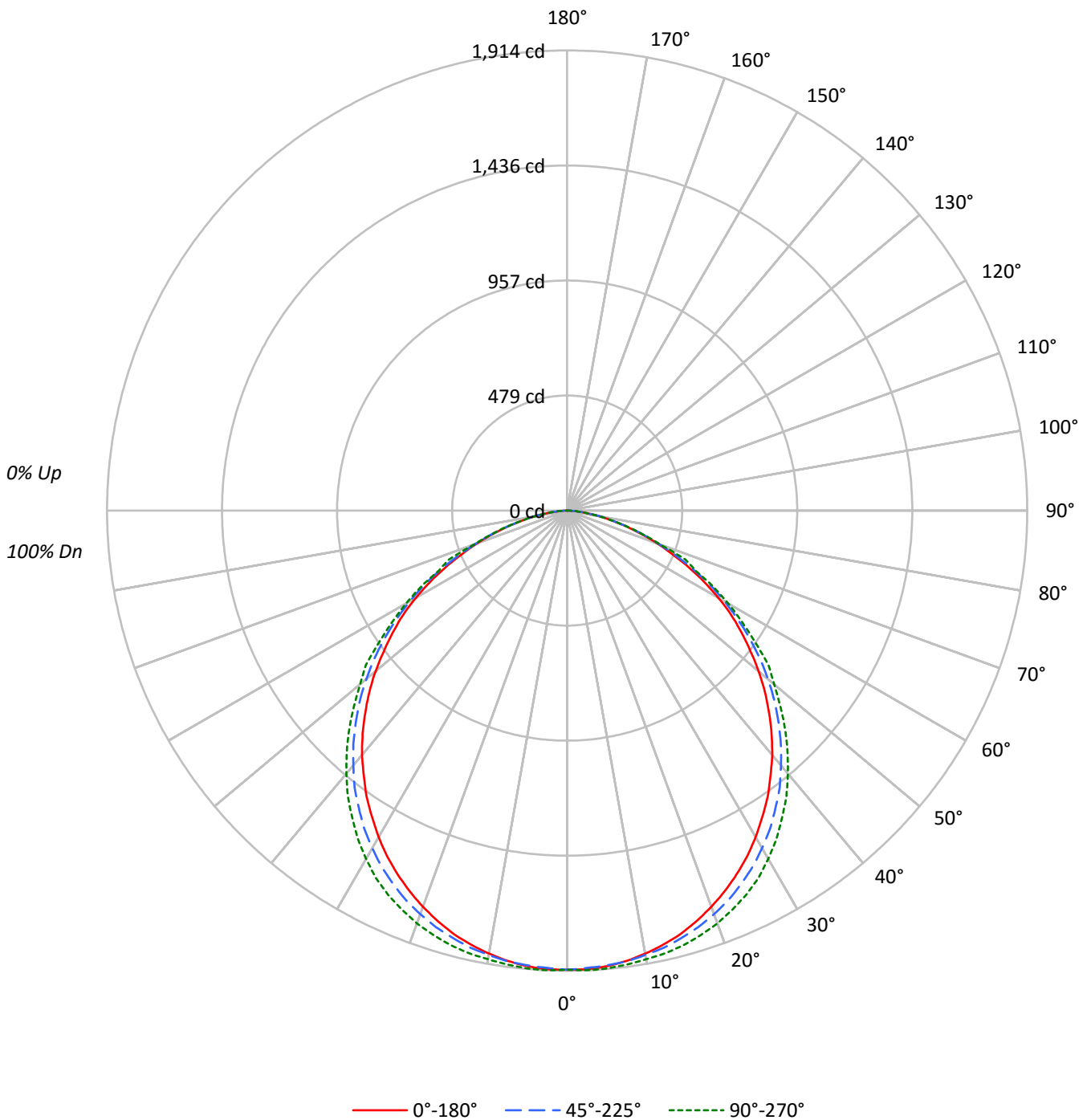
Input Watts (W): 48.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	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	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	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°	2570	2570	2570
5°	2570	2565	2582
10°	2557	2564	2589
15°	2540	2563	2606
20°	2511	2558	2616
25°	2478	2543	2617
30°	2436	2519	2599
35°	2388	2482	2560
40°	2331	2431	2509
45°	2259	2364	2438
50°	2178	2282	2351
55°	2078	2173	2238
60°	1959	2033	2083
65°	1779	1838	1873
70°	1562	1598	1620
75°	1319	1338	1347
80°	1054	1068	1040
85°	710	738	710



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.0	3.5
10°-20°	520.5	10.2
20°-30°	789.7	15.4
30°-40°	942.8	18.4
40°-50°	954.5	18.6
50°-60°	825.1	16.1
60°-70°	571.9	11.2
70°-80°	276.7	5.4
80°-90°	60.8	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°	1491.2	29.1
0°-40°	2434.0	47.5
0°-60°	4213.6	82.2
0°-90°	5123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5123.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1910	1910	1910	1910	1910	
5°	1902	1901	1899	1908	1912	181
15°	1823	1827	1840	1862	1871	514
25°	1669	1680	1713	1748	1763	769
35°	1454	1467	1511	1550	1559	908
45°	1187	1204	1243	1274	1281	916
55°	886	895	926	965	954	792
65°	559	564	577	586	588	553
75°	254	256	257	256	259	272
85°	46	50	48	46	46	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1909.8	1909.8	1909.8	1909.8	1909.8
2.5°	1909.8	1908.0	1904.3	1909.8	1913.5
5°	1902.5	1900.6	1898.8	1908.0	1911.7
7.5°	1889.6	1889.6	1891.4	1900.6	1904.3
10°	1871.2	1873.1	1876.7	1891.4	1895.1
12.5°	1849.2	1852.8	1862.0	1878.6	1885.9
15°	1823.4	1827.1	1840.0	1862.0	1871.2
17.5°	1790.3	1797.7	1816.1	1841.8	1851.0
20°	1753.6	1762.8	1786.7	1816.1	1827.1
22.5°	1713.1	1722.3	1753.6	1784.8	1795.9
25°	1669.0	1680.1	1713.1	1748.1	1762.8
27.5°	1621.2	1634.1	1670.9	1707.6	1722.3
30°	1567.9	1582.6	1621.2	1659.8	1672.7
32.5°	1510.9	1525.6	1569.8	1606.5	1619.4
35°	1454.0	1466.8	1510.9	1549.5	1558.7
37.5°	1389.6	1404.3	1452.1	1485.2	1498.1
40°	1327.1	1341.8	1384.1	1417.2	1428.2
42.5°	1259.1	1273.8	1316.1	1347.3	1356.5
45°	1187.4	1204.0	1242.6	1273.8	1281.2
47.5°	1115.7	1128.6	1169.1	1196.6	1202.1
50°	1040.4	1053.2	1090.0	1117.6	1123.1
52.5°	961.3	981.6	1011.0	1031.2	1055.1
55°	886.0	895.2	926.4	965.0	954.0
57.5°	810.6	816.1	841.9	858.4	862.1
60°	727.9	735.3	755.5	764.7	773.9
62.5°	641.5	647.0	670.9	680.1	683.8
65°	558.8	564.3	577.2	586.4	588.2
67.5°	474.2	479.8	490.8	498.1	531.2
70°	397.0	400.7	406.2	420.9	411.7
72.5°	323.5	325.3	330.9	330.9	332.7
75°	253.7	255.5	257.3	255.5	259.2
77.5°	189.3	193.0	194.8	193.0	191.2
80°	136.0	139.7	137.9	134.2	134.2
82.5°	88.2	90.1	88.2	86.4	86.4
85°	46.0	49.6	47.8	46.0	46.0
87.5°	16.5	18.4	20.2	22.1	22.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)