

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: P296943

Luminaire Tested: **D3X-WD-50L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296943
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-50L92765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4446.0 lumens
Efficiency: N/A
Efficacy: 121.5 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

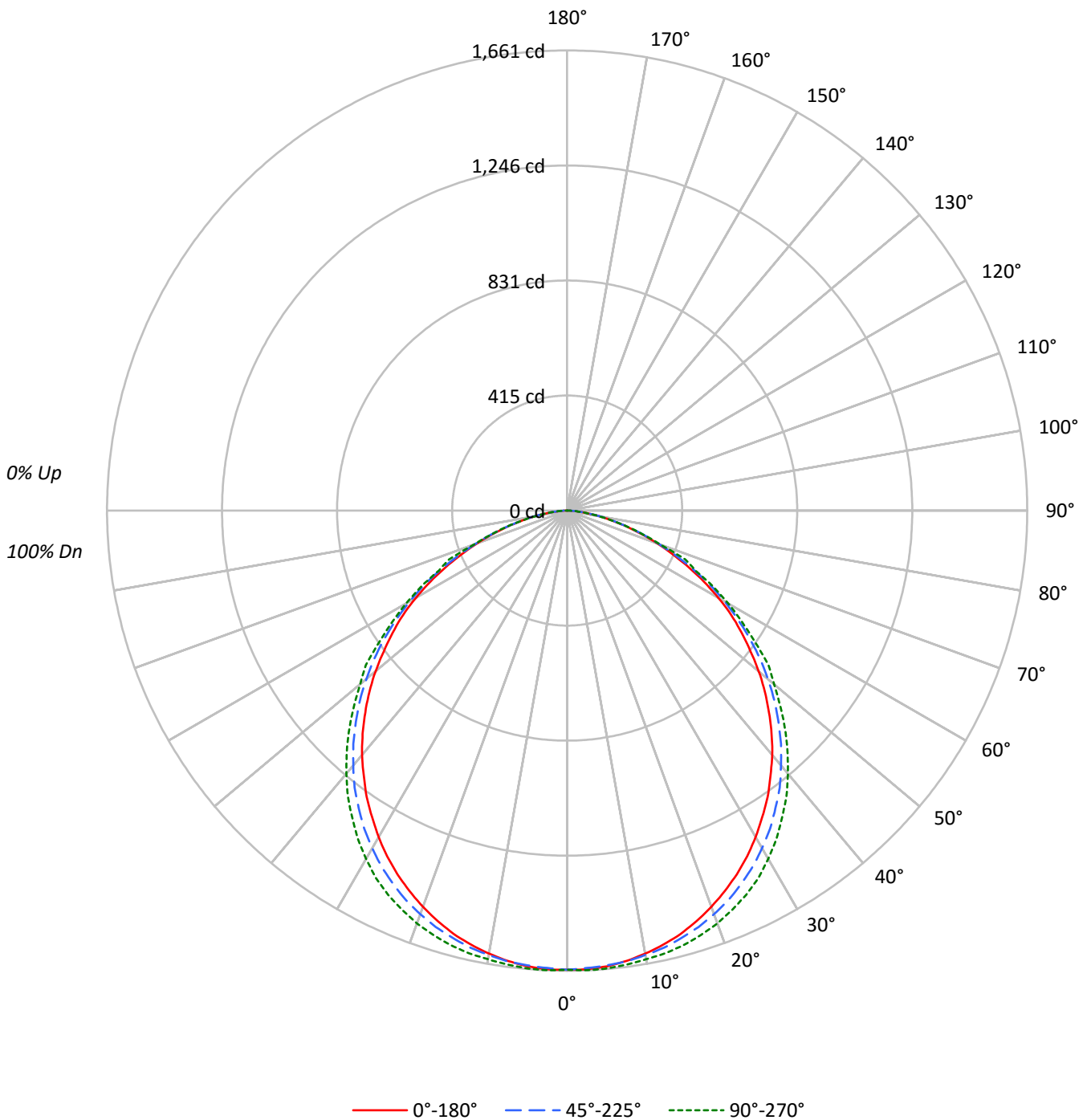
Input Watts (W): 36.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2230	2230	2230
5°	2230	2226	2241
10°	2219	2225	2247
15°	2204	2224	2262
20°	2179	2220	2270
25°	2150	2207	2271
30°	2114	2186	2255
35°	2073	2154	2222
40°	2023	2110	2177
45°	1961	2052	2116
50°	1890	1980	2040
55°	1804	1886	1942
60°	1700	1764	1807
65°	1544	1595	1625
70°	1356	1387	1406
75°	1144	1161	1169
80°	914	927	903
85°	616	641	616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.1	3.5
10°-20°	451.7	10.2
20°-30°	685.4	15.4
30°-40°	818.2	18.4
40°-50°	828.4	18.6
50°-60°	716.0	16.1
60°-70°	496.3	11.2
70°-80°	240.1	5.4
80°-90°	52.8	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°	1294.2	29.1
0°-40°	2112.4	47.5
0°-60°	3656.8	82.2
0°-90°	4446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4446.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1657	1657	1657	1657	1657	
5°	1651	1650	1648	1656	1659	157
15°	1582	1586	1597	1616	1624	446
25°	1448	1458	1487	1517	1530	667
35°	1262	1273	1311	1345	1353	788
45°	1030	1045	1078	1106	1112	795
55°	769	777	804	838	828	687
65°	485	490	501	509	510	480
75°	220	222	223	222	225	236
85°	40	43	42	40	40	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1657.4	1657.4	1657.4	1657.4	1657.4
2.5°	1657.4	1655.8	1652.7	1657.4	1660.6
5°	1651.1	1649.5	1647.9	1655.8	1659.0
7.5°	1639.9	1639.9	1641.5	1649.5	1652.7
10°	1623.9	1625.5	1628.7	1641.5	1644.7
12.5°	1604.8	1608.0	1616.0	1630.3	1636.7
15°	1582.5	1585.7	1596.8	1616.0	1623.9
17.5°	1553.7	1560.1	1576.1	1598.4	1606.4
20°	1521.8	1529.8	1550.6	1576.1	1585.7
22.5°	1486.7	1494.7	1521.8	1549.0	1558.5
25°	1448.5	1458.0	1486.7	1517.1	1529.8
27.5°	1407.0	1418.2	1450.1	1482.0	1494.7
30°	1360.7	1373.5	1407.0	1440.5	1451.7
32.5°	1311.3	1324.0	1362.3	1394.2	1405.4
35°	1261.8	1273.0	1311.3	1344.8	1352.7
37.5°	1206.0	1218.8	1260.2	1288.9	1300.1
40°	1151.8	1164.5	1201.2	1229.9	1239.5
42.5°	1092.7	1105.5	1142.2	1169.3	1177.3
45°	1030.5	1044.9	1078.4	1105.5	1111.9
47.5°	968.3	979.5	1014.6	1038.5	1043.3
50°	902.9	914.1	946.0	969.9	974.7
52.5°	834.3	851.8	877.4	894.9	915.7
55°	768.9	776.9	804.0	837.5	827.9
57.5°	703.5	708.3	730.6	745.0	748.2
60°	631.7	638.1	655.6	663.6	671.6
62.5°	556.7	561.5	582.3	590.2	593.4
65°	484.9	489.7	500.9	508.9	510.5
67.5°	411.6	416.4	425.9	432.3	461.0
70°	344.6	347.8	352.5	365.3	357.3
72.5°	280.8	282.4	287.1	287.1	288.7
75°	220.1	221.7	223.3	221.7	224.9
77.5°	164.3	167.5	169.1	167.5	165.9
80°	118.0	121.2	119.6	116.5	116.5
82.5°	76.6	78.2	76.6	75.0	75.0
85°	39.9	43.1	41.5	39.9	39.9
87.5°	14.4	16.0	17.5	19.1	19.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)