

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: P296813

Luminaire Tested: **D3X-WD-60L82765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296813
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-60L82765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5189.0 lumens
Efficiency: N/A
Efficacy: 120.1 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

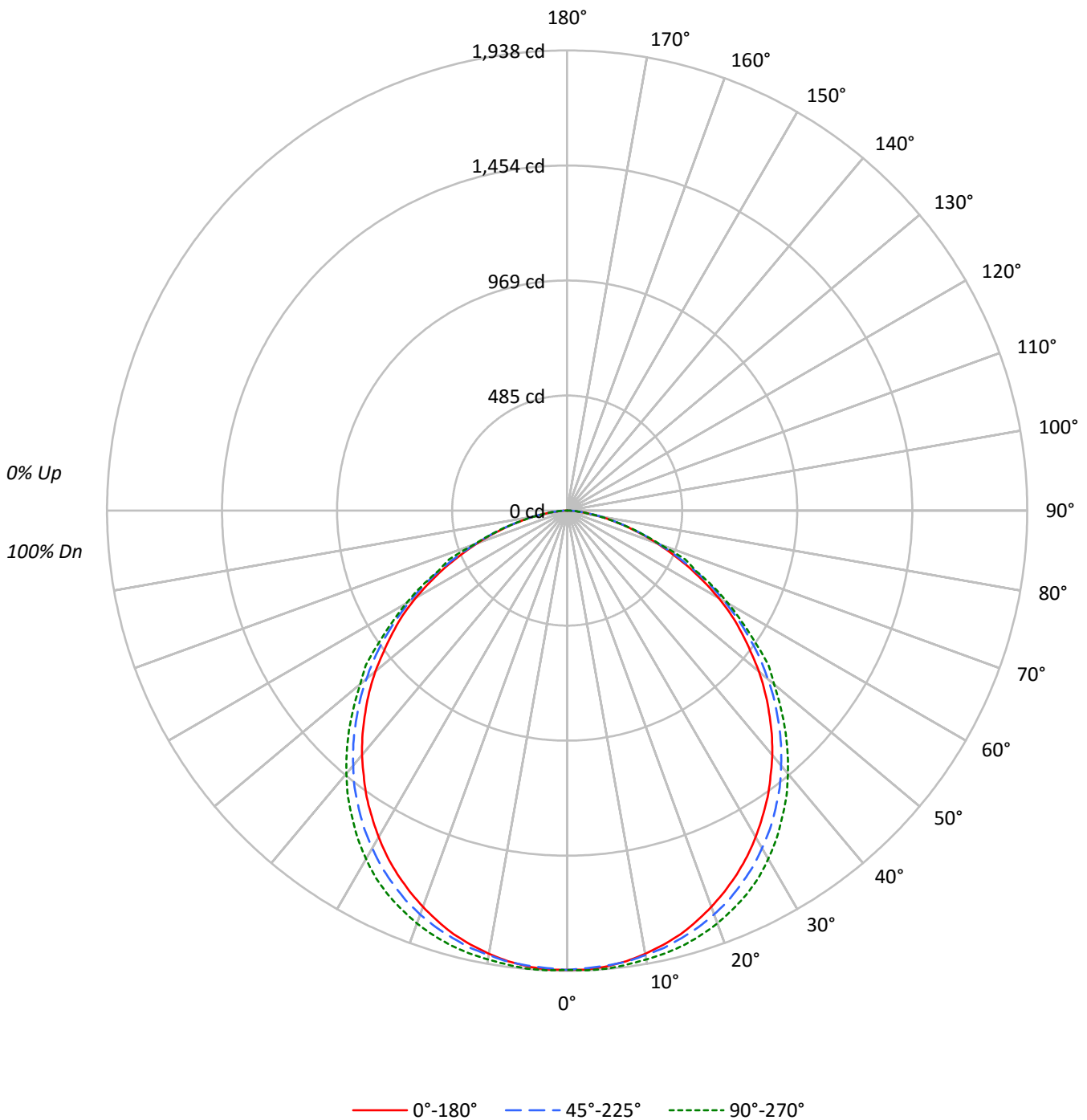
Input Watts (W): 43.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P296813

CATALOG NUMBER: D3X-WD-60L82765-LD5-UNV-24-T1-W2A-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P296813

CATALOG NUMBER: D3X-WD-60L82765-LD5-UNV-24-T1-W2A-2700K

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°	2603	2603	2603
5°	2603	2598	2615
10°	2589	2597	2623
15°	2573	2596	2640
20°	2543	2591	2650
25°	2510	2576	2651
30°	2467	2551	2632
35°	2419	2514	2593
40°	2361	2462	2541
45°	2289	2395	2469
50°	2206	2311	2381
55°	2105	2201	2267
60°	1984	2059	2109
65°	1802	1861	1897
70°	1582	1619	1640
75°	1336	1355	1365
80°	1068	1082	1053
85°	718	747	718



TEST NUMBER: P296813

CATALOG NUMBER: D3X-WD-60L82765-LD5-UNV-24-T1-W2A-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.3	3.5
10°-20°	527.2	10.2
20°-30°	799.9	15.4
30°-40°	955.0	18.4
40°-50°	966.8	18.6
50°-60°	835.7	16.1
60°-70°	579.2	11.2
70°-80°	280.3	5.4
80°-90°	61.6	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°	1510.4	29.1
0°-40°	2465.4	47.5
0°-60°	4267.9	82.2
0°-90°	5189.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5189.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1934	1934	1934	1934	1934	
5°	1927	1925	1923	1933	1936	183
15°	1847	1851	1864	1886	1895	521
25°	1690	1702	1735	1771	1786	779
35°	1473	1486	1530	1570	1579	920
45°	1203	1220	1259	1290	1298	928
55°	897	907	938	978	966	802
65°	566	572	585	594	596	560
75°	257	259	261	259	262	276
85°	46	50	48	46	46	60
90°	0	0	0	0	0	



TEST NUMBER: P296813

CATALOG NUMBER: D3X-WD-60L82765-LD5-UNV-24-T1-W2A-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1934.4	1934.4	1934.4	1934.4	1934.4
2.5°	1934.4	1932.6	1928.8	1934.4	1938.1
5°	1927.0	1925.1	1923.3	1932.6	1936.3
7.5°	1913.9	1913.9	1915.8	1925.1	1928.8
10°	1895.3	1897.2	1900.9	1915.8	1919.5
12.5°	1873.0	1876.7	1886.0	1902.8	1910.2
15°	1846.9	1850.6	1863.7	1886.0	1895.3
17.5°	1813.4	1820.9	1839.5	1865.5	1874.8
20°	1776.2	1785.5	1809.7	1839.5	1850.6
22.5°	1735.2	1744.5	1776.2	1807.8	1819.0
25°	1690.5	1701.7	1735.2	1770.6	1785.5
27.5°	1642.1	1655.2	1692.4	1729.6	1744.5
30°	1588.1	1603.0	1642.1	1681.2	1694.2
32.5°	1530.4	1545.3	1590.0	1627.2	1640.3
35°	1472.7	1485.7	1530.4	1569.5	1578.8
37.5°	1407.5	1422.4	1470.8	1504.3	1517.4
40°	1344.2	1359.1	1401.9	1435.5	1446.6
42.5°	1275.3	1290.2	1333.1	1364.7	1374.0
45°	1202.7	1219.5	1258.6	1290.2	1297.7
47.5°	1130.1	1143.2	1184.1	1212.0	1217.6
50°	1053.8	1066.8	1104.1	1132.0	1137.6
52.5°	973.7	994.2	1024.0	1044.5	1068.7
55°	897.4	906.7	938.4	977.5	966.3
57.5°	821.1	826.6	852.7	869.5	873.2
60°	737.3	744.7	765.2	774.5	783.8
62.5°	649.8	655.4	679.6	688.9	692.6
65°	566.0	571.6	584.6	593.9	595.8
67.5°	480.3	485.9	497.1	504.6	538.1
70°	402.2	405.9	411.5	426.4	417.0
72.5°	327.7	329.5	335.1	335.1	337.0
75°	256.9	258.8	260.7	258.8	262.5
77.5°	191.8	195.5	197.4	195.5	193.6
80°	137.8	141.5	139.6	135.9	135.9
82.5°	89.4	91.2	89.4	87.5	87.5
85°	46.5	50.3	48.4	46.5	46.5
87.5°	16.8	18.6	20.5	22.3	22.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)