

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: P296950

Luminaire Tested: **D3X-WD-55L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296950
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-55L92765-LD5-UNV-24-T1-W2A-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4889.0 lumens
Efficiency: N/A
Efficacy: 124.1 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

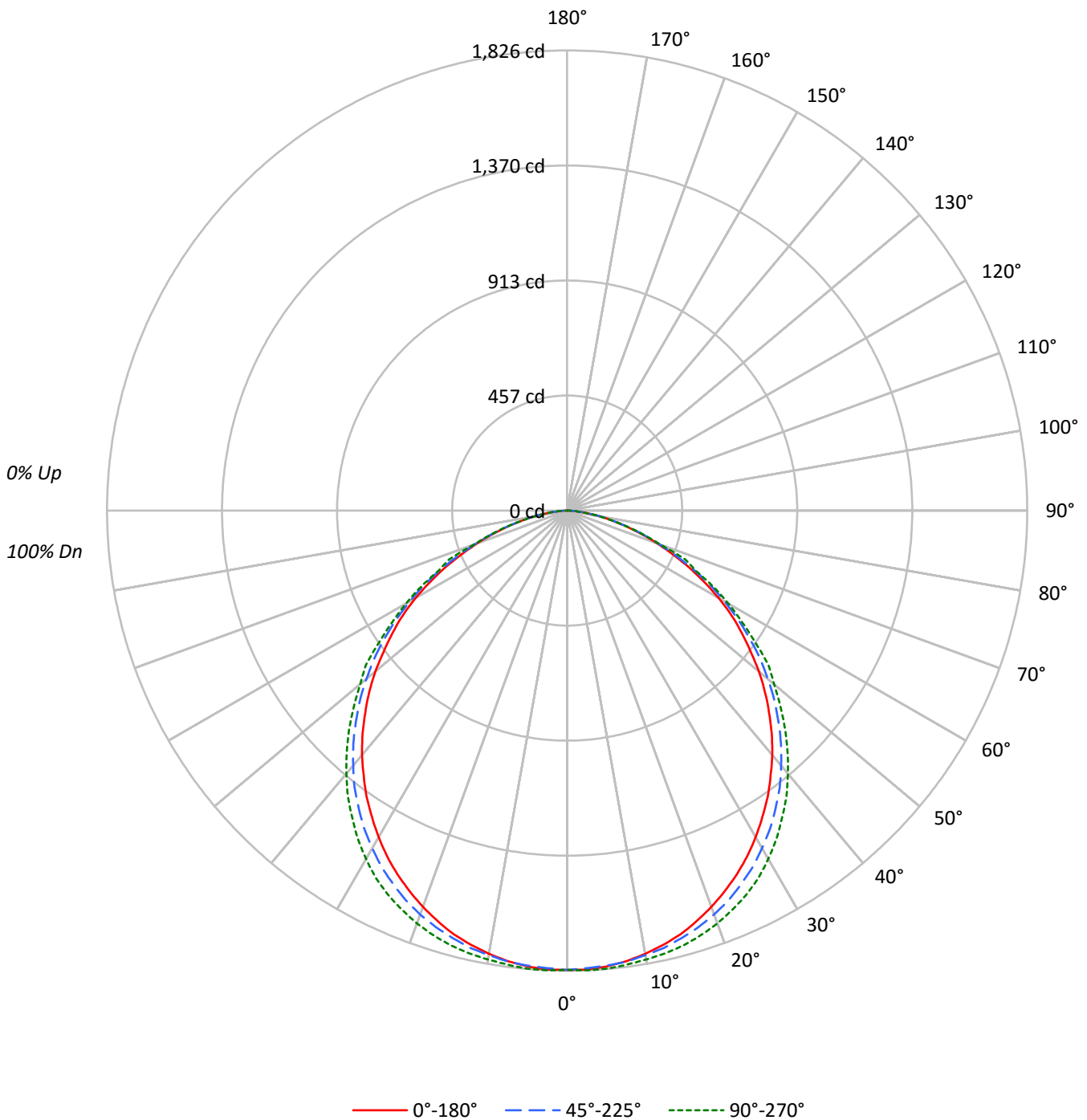
Input Watts (W): 39.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2452	2452	2452
5°	2452	2447	2464
10°	2440	2447	2471
15°	2424	2446	2487
20°	2396	2441	2497
25°	2365	2427	2498
30°	2325	2404	2480
35°	2279	2368	2443
40°	2224	2320	2394
45°	2156	2256	2327
50°	2078	2177	2244
55°	1983	2074	2136
60°	1869	1940	1987
65°	1698	1754	1787
70°	1491	1525	1546
75°	1259	1277	1286
80°	1006	1020	993
85°	678	704	678



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.7	3.5
10°-20°	496.7	10.2
20°-30°	753.7	15.4
30°-40°	899.8	18.4
40°-50°	910.9	18.6
50°-60°	787.4	16.1
60°-70°	545.7	11.2
70°-80°	264.1	5.4
80°-90°	58.1	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°	1423.1	29.1
0°-40°	2322.9	47.5
0°-60°	4021.2	82.2
0°-90°	4889.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4889.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1823	1823	1823	1823	1823	
5°	1816	1814	1812	1821	1824	172
15°	1740	1744	1756	1777	1786	490
25°	1593	1603	1635	1668	1682	734
35°	1388	1400	1442	1479	1488	867
45°	1133	1149	1186	1216	1223	874
55°	846	854	884	921	910	756
65°	533	538	551	560	561	528
75°	242	244	246	244	247	260
85°	44	47	46	44	44	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1822.6	1822.6	1822.6	1822.6	1822.6
2.5°	1822.6	1820.8	1817.3	1822.6	1826.1
5°	1815.6	1813.8	1812.1	1820.8	1824.3
7.5°	1803.3	1803.3	1805.0	1813.8	1817.3
10°	1785.7	1787.5	1791.0	1805.0	1808.6
12.5°	1764.7	1768.2	1777.0	1792.8	1799.8
15°	1740.1	1743.6	1755.9	1777.0	1785.7
17.5°	1708.6	1715.6	1733.1	1757.7	1766.5
20°	1673.5	1682.3	1705.1	1733.1	1743.6
22.5°	1634.9	1643.7	1673.5	1703.3	1713.8
25°	1592.8	1603.3	1634.9	1668.2	1682.3
27.5°	1547.2	1559.5	1594.5	1629.6	1643.7
30°	1496.3	1510.3	1547.2	1584.0	1596.3
32.5°	1441.9	1456.0	1498.1	1533.1	1545.4
35°	1387.5	1399.8	1441.9	1478.8	1487.5
37.5°	1326.2	1340.2	1385.8	1417.4	1429.6
40°	1266.5	1280.5	1320.9	1352.5	1363.0
42.5°	1201.6	1215.6	1256.0	1285.8	1294.6
45°	1133.2	1149.0	1185.8	1215.6	1222.7
47.5°	1064.8	1077.1	1115.7	1142.0	1147.2
50°	992.9	1005.1	1040.2	1066.5	1071.8
52.5°	917.4	936.7	964.8	984.1	1006.9
55°	845.5	854.3	884.1	920.9	910.4
57.5°	773.6	778.9	803.4	819.2	822.7
60°	694.7	701.7	721.0	729.7	738.5
62.5°	612.2	617.5	640.3	649.0	652.6
65°	533.3	538.5	550.8	559.6	561.3
67.5°	452.6	457.8	468.4	475.4	507.0
70°	378.9	382.4	387.7	401.7	392.9
72.5°	308.7	310.5	315.8	315.8	317.5
75°	242.1	243.8	245.6	243.8	247.3
77.5°	180.7	184.2	185.9	184.2	182.4
80°	129.8	133.3	131.6	128.1	128.1
82.5°	84.2	86.0	84.2	82.4	82.4
85°	43.9	47.4	45.6	43.9	43.9
87.5°	15.8	17.5	19.3	21.1	21.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)