

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: P297239

Luminaire Tested: **D3X-WG-60L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297239
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-60L92765-LD5-UNV-24-T1-W2A-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5317.0 lumens
Efficiency: N/A
Efficacy: 119.5 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

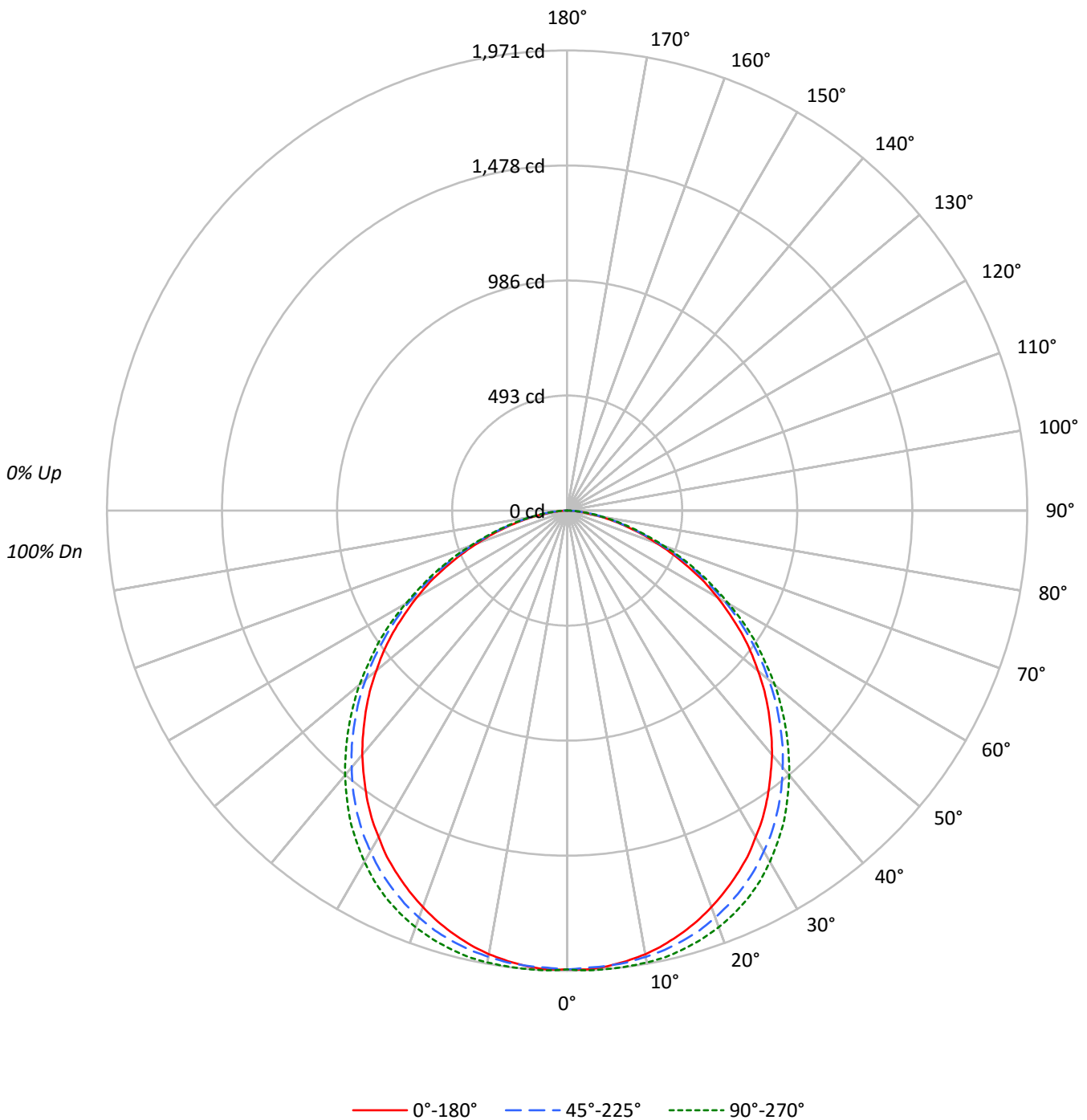
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2645	2645	2645
5°	2647	2645	2662
10°	2636	2652	2685
15°	2616	2658	2706
20°	2588	2656	2719
25°	2553	2644	2720
30°	2509	2619	2699
35°	2459	2581	2662
40°	2399	2522	2599
45°	2323	2450	2522
50°	2233	2360	2432
55°	2136	2243	2314
60°	1999	2101	2153
65°	1825	1922	1971
70°	1603	1686	1731
75°	1356	1426	1475
80°	1077	1181	1210
85°	735	881	852



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.8	3.5
10°-20°	539.2	10.1
20°-30°	819.4	15.4
30°-40°	977.8	18.4
40°-50°	987.5	18.6
50°-60°	850.8	16.0
60°-70°	593.1	11.2
70°-80°	293.9	5.5
80°-90°	68.5	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°	1545.4	29.1
0°-40°	2523.1	47.5
0°-60°	4361.4	82.0
0°-90°	5317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1966	1966	1966	1966	1966	
5°	1960	1958	1958	1968	1971	186
15°	1878	1888	1908	1933	1943	530
25°	1720	1743	1781	1817	1832	792
35°	1497	1522	1571	1608	1621	936
45°	1221	1248	1288	1318	1326	941
55°	910	930	956	979	987	811
65°	573	585	604	610	619	569
75°	261	265	274	280	284	281
85°	48	57	57	53	55	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1965.6	1965.6	1965.6	1965.6	1965.6
2.5°	1967.5	1963.7	1959.9	1967.5	1971.3
5°	1959.9	1958.0	1958.0	1967.5	1971.3
7.5°	1946.5	1946.5	1952.2	1965.6	1969.4
10°	1929.4	1933.2	1940.8	1959.9	1965.6
12.5°	1906.5	1914.2	1927.5	1950.3	1958.0
15°	1878.0	1887.5	1908.4	1933.2	1942.7
17.5°	1845.6	1858.9	1885.6	1914.2	1923.7
20°	1807.5	1824.6	1855.1	1887.5	1898.9
22.5°	1765.6	1786.5	1820.8	1855.1	1868.4
25°	1719.9	1742.7	1780.8	1817.0	1832.3
27.5°	1672.3	1695.1	1737.0	1773.2	1788.5
30°	1615.1	1641.8	1685.6	1723.7	1737.0
32.5°	1559.9	1586.6	1632.3	1666.6	1679.9
35°	1497.0	1521.8	1571.3	1607.5	1620.8
37.5°	1430.4	1458.9	1506.6	1538.9	1550.4
40°	1365.6	1390.4	1436.1	1468.5	1479.9
42.5°	1293.2	1319.9	1365.6	1394.2	1403.7
45°	1220.9	1247.5	1287.5	1318.0	1325.6
47.5°	1146.6	1171.3	1211.3	1236.1	1243.7
50°	1066.6	1089.5	1127.5	1152.3	1161.8
52.5°	990.4	1011.4	1043.7	1064.7	1070.4
55°	910.4	929.5	956.1	979.0	986.6
57.5°	824.7	845.7	870.4	889.5	895.2
60°	742.8	759.9	780.9	798.0	799.9
62.5°	662.8	670.4	689.5	704.7	706.6
65°	573.3	584.7	603.8	609.5	619.0
67.5°	491.4	499.0	514.3	521.9	529.5
70°	407.6	413.3	428.5	438.1	440.0
72.5°	335.2	337.1	348.5	356.2	358.1
75°	260.9	264.7	274.3	280.0	283.8
77.5°	198.1	201.9	209.5	213.3	213.3
80°	139.0	144.8	152.4	154.3	156.2
82.5°	89.5	97.1	102.9	104.8	100.9
85°	47.6	57.1	57.1	53.3	55.2
87.5°	17.1	21.0	22.9	24.8	24.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)