

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: STREETWORKS

Report Number: P162012

Luminaire Tested: **OVF-F05-LED-E-U-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P162012
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33704)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: OVF-F05-LED-E-U-SLL
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (35) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11117.5 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U0 - G3

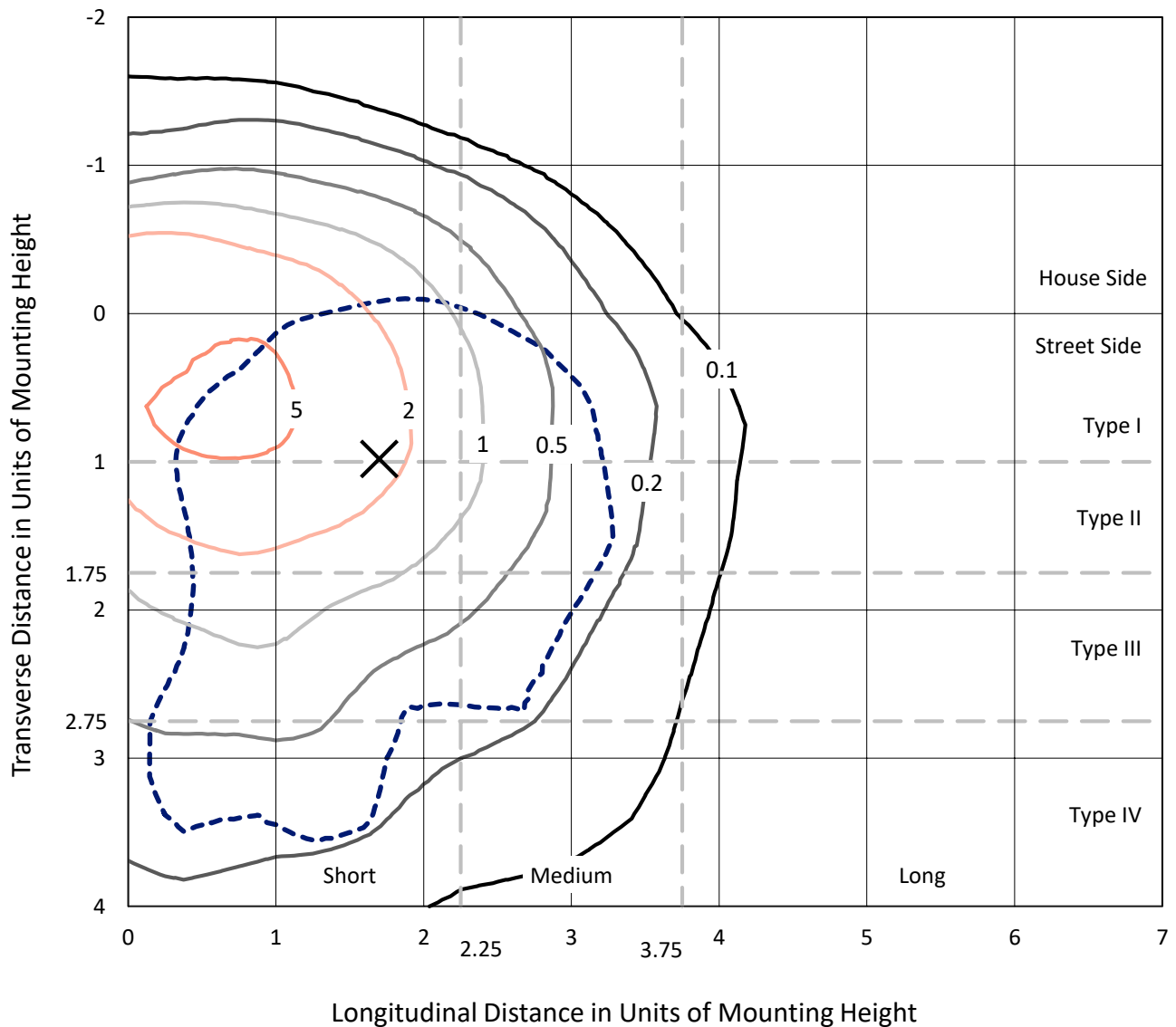
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

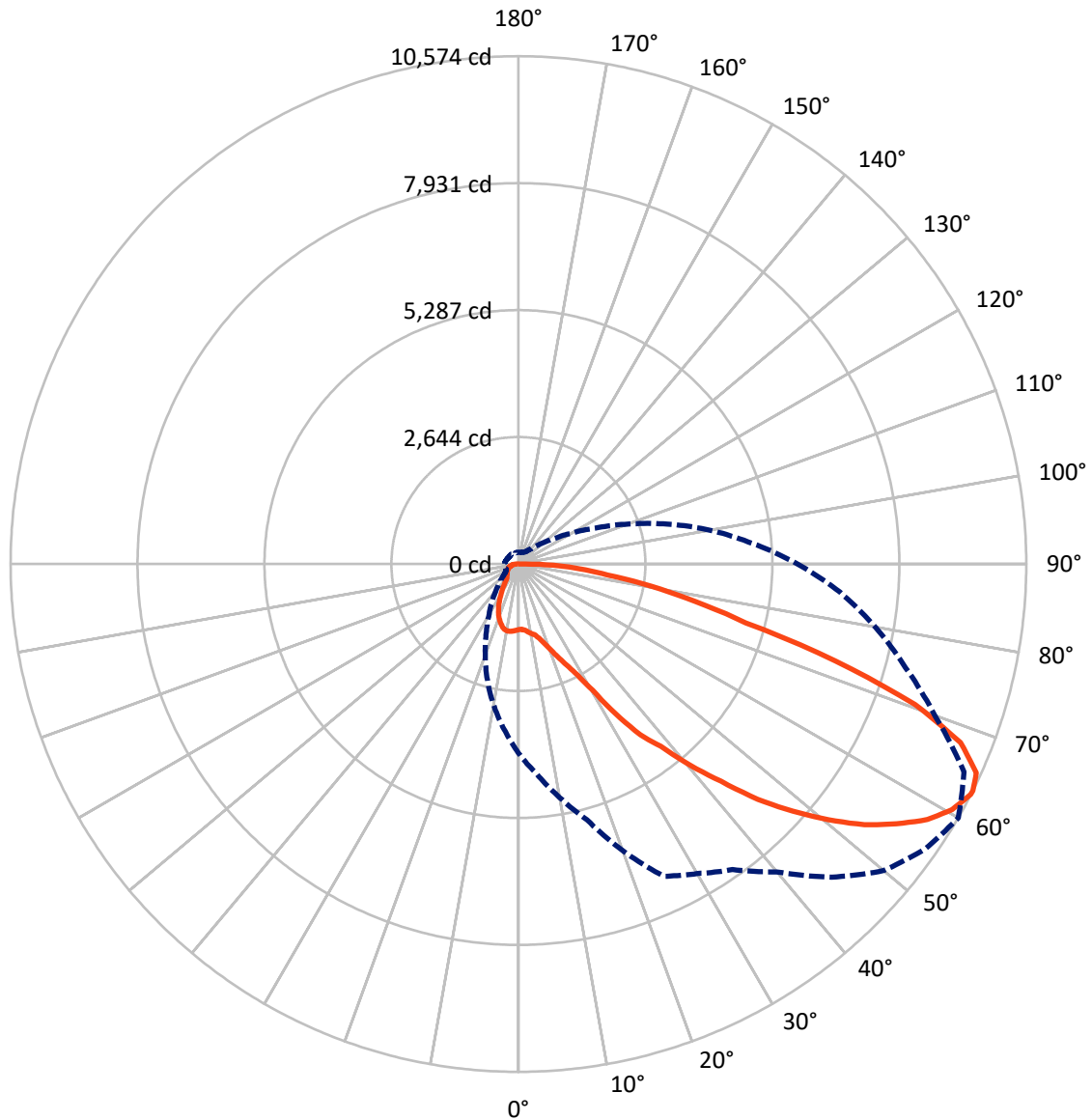


Based on 20 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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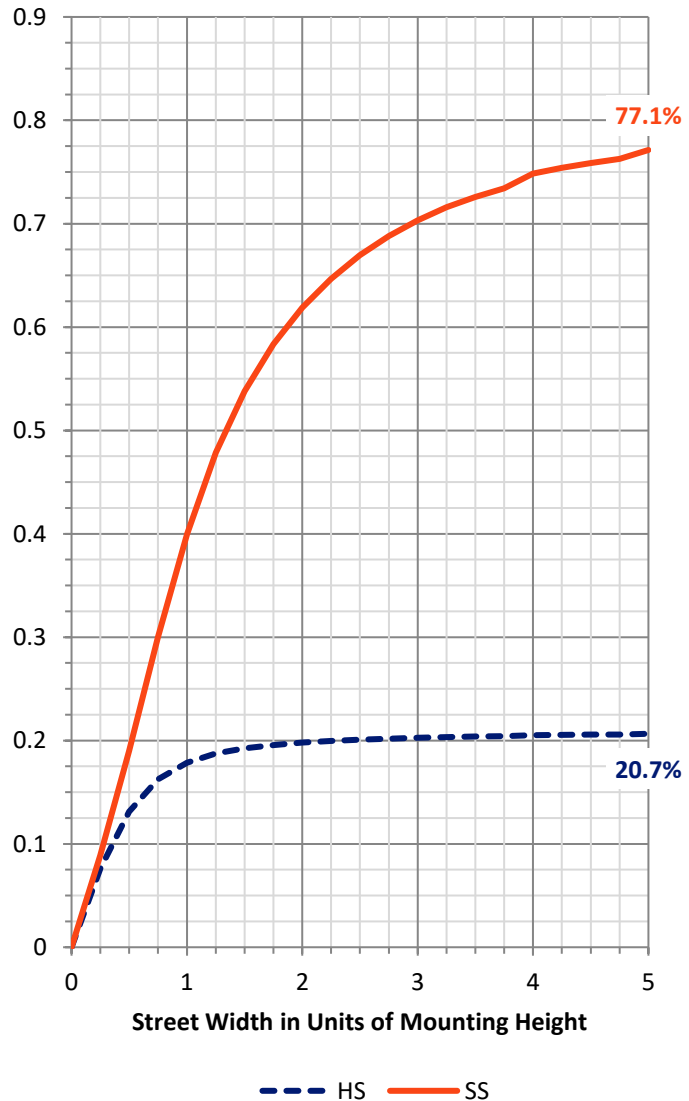
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2327.2	0.0	2327.2
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	8790.3	0.0	8790.3
	% Fixture	79.1	0.0	79.1
Total	Lumens	11117.5	0.0	11117.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.1	1.2
10°-20°	418.5	3.8
20°-30°	740.1	6.7
30°-40°	1168.5	10.5
40°-50°	1718.3	15.5
50°-60°	2263.4	20.4
60°-70°	2522.8	22.7
70°-80°	1657.5	14.9
80°-90°	494.3	4.4
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°-90°	11117.5	100.0
0°-180°	11117.5	100.0

Coefficient of Utilization



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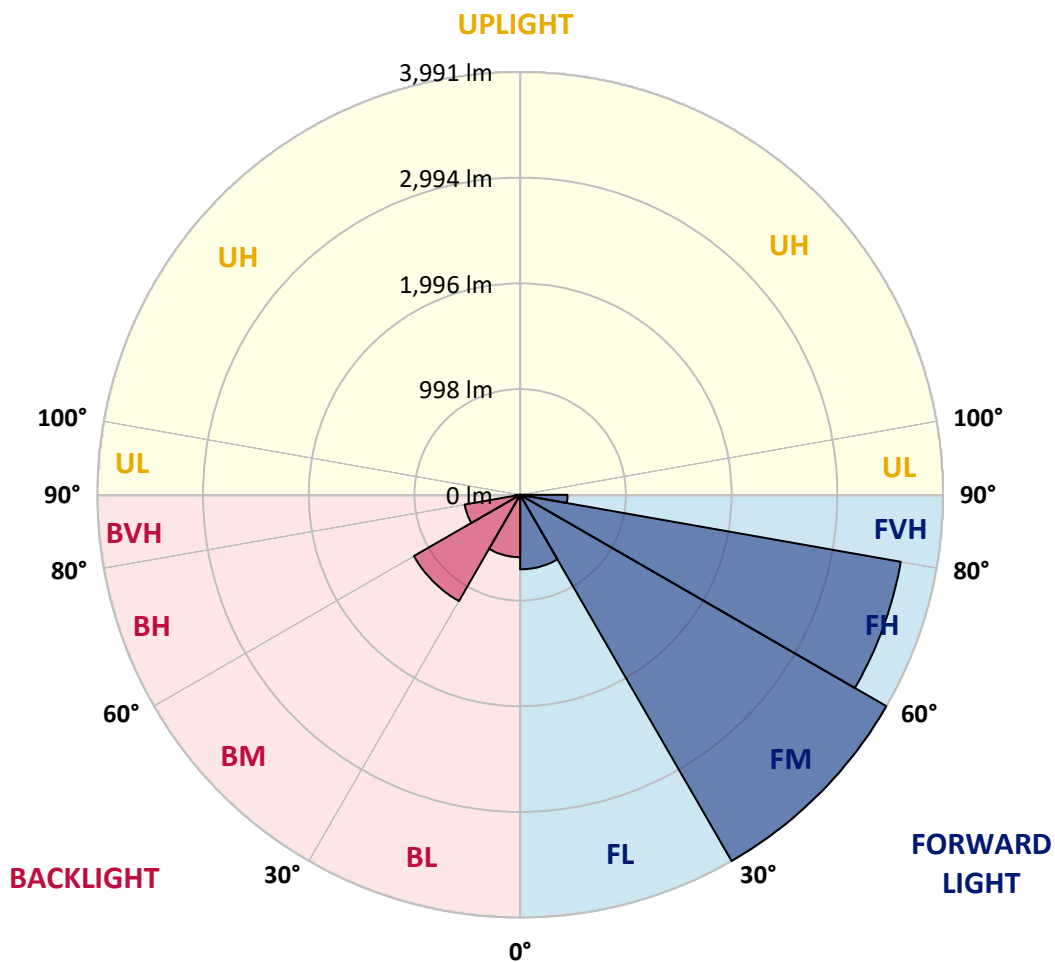
CATALOG NUMBER: OVF-F05-LED-E-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	703.7	6.3			
FM	(30°-60°)	3991.5	35.9			
FH	(60°-80°)	3648.4	32.8			G2/5000
FVH	(80°-90°)	446.7	4.0			G3/500
BL	(0°-30°)	589.1	5.3	B2/1000		
BM	(30°-60°)	1158.7	10.4	B2/2500		
BH	(60°-80°)	531.9	4.8	B2/1000		G2/1000
BVH	(80°-90°)	47.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4
2.5°	1363.8	1364.6	1362.1	1361.3	1359.6	1360.5	1360.5	1358.8	1358.8	1359.6	1357.2
5°	1357.2	1358.8	1358.0	1359.6	1361.3	1363.8	1366.2	1368.7	1371.2	1374.5	1375.3
7.5°	1349.7	1354.7	1355.5	1360.5	1366.2	1372.8	1381.1	1390.2	1402.6	1405.9	1413.3
10°	1353.9	1362.9	1367.9	1377.8	1386.9	1399.3	1414.1	1423.2	1438.9	1444.7	1455.4
12.5°	1386.1	1392.7	1399.3	1410.8	1424.0	1439.7	1456.2	1470.3	1486.8	1492.5	1496.7
15°	1447.1	1453.7	1461.2	1472.7	1486.8	1505.8	1529.7	1547.0	1566.8	1581.7	1592.4
17.5°	1532.2	1532.2	1549.5	1552.8	1580.1	1608.9	1638.7	1672.5	1693.2	1705.5	1725.3
20°	1654.4	1654.4	1677.5	1688.2	1711.3	1748.5	1788.9	1826.1	1855.8	1880.5	1898.7
22.5°	1865.7	1856.6	1876.4	1873.9	1902.0	1957.3	1996.9	2017.6	2057.2	2072.1	2096.0
25°	2110.9	2143.1	2164.5	2164.5	2176.1	2233.0	2266.1	2281.8	2318.1	2307.3	2332.1
27.5°	2411.4	2498.0	2578.1	2611.1	2595.5	2658.2	2669.7	2684.6	2680.5	2654.9	2647.5
30°	2706.9	2859.6	2984.3	3060.2	3147.7	3269.1	3269.1	3288.9	3246.0	3175.0	3132.9
32.5°	2911.6	3108.1	3298.8	3456.5	3605.1	3790.8	3869.2	3978.2	3996.4	4023.6	3929.5
35°	3080.0	3355.8	3560.5	3797.4	3979.0	4167.2	4376.1	4565.2	4690.6	4670.0	4632.8
37.5°	3195.6	3549.8	3835.4	4113.6	4390.1	4605.6	4803.7	5050.6	5290.8	5338.7	5238.0
40°	3276.5	3686.8	4079.7	4421.5	4769.1	5092.7	5333.7	5598.7	5975.1	6134.5	6051.9
42.5°	3315.3	3794.1	4232.5	4667.5	5107.5	5516.2	5818.3	6181.5	6628.1	6900.6	6809.8
45°	3331.8	3860.2	4356.3	4851.6	5379.9	5884.3	6274.0	6685.9	7188.7	7626.2	7642.7
47.5°	3327.7	3895.7	4441.3	4982.9	5593.8	6180.7	6703.3	7170.5	7740.1	8199.9	8370.8
50°	3316.1	3908.0	4492.5	5062.1	5728.3	6397.8	6986.4	7542.0	8178.5	8760.5	9020.5
52.5°	3315.3	3910.5	4518.1	5105.9	5807.6	6530.7	7163.9	7820.2	8517.8	9126.2	9531.5
55°	3335.1	3925.4	4546.2	5136.4	5850.5	6605.9	7263.8	7994.4	8665.5	9356.5	9879.9
57.5°	3415.2	3994.7	4613.0	5188.4	5898.4	6665.3	7341.4	8044.7	8709.3	9452.3	10082.1
60°	3591.0	4124.3	4729.4	5284.2	6023.0	6821.3	7414.9	7973.7	8626.7	9425.0	10111.0
62.5°	3865.1	4332.4	4892.1	5460.8	6276.5	7117.7	7445.4	7811.1	8422.8	9268.2	9986.4
63°	3935.3	4387.7	4935.0	5509.6	6349.9	7173.8	7442.9	7768.2	8366.7	9221.9	9930.2
65°	4228.3	4643.6	5134.8	5742.4	6684.3	7352.1	7353.0	7515.6	8080.2	8966.9	9699.9
67.5°	4669.2	5065.4	5445.2	6049.4	7054.1	7441.3	7086.3	6963.3	7462.7	8427.0	9115.4
70°	4963.1	5452.6	5665.6	6130.3	7104.5	7333.1	6664.5	6254.2	6668.6	7474.3	8086.0
72.5°	4970.5	5528.5	5590.5	5785.3	6633.1	6816.4	5938.0	5382.4	5631.7	6307.8	6629.8
75°	4439.7	5141.4	5014.2	4942.4	5401.4	5479.8	4802.9	4571.8	4891.2	5290.8	5129.8
77.5°	3300.4	4233.3	3974.9	3669.5	3836.2	3847.8	3869.2	4305.1	4697.2	4860.7	4626.2
80°	2048.1	3109.8	2911.6	2408.1	2472.4	2662.3	3231.9	4002.1	4431.4	4548.6	4079.7
82.5°	1235.0	2287.5	2181.9	1837.6	1918.5	2391.5	3021.4	3234.4	3378.9	3368.1	2883.6
85°	904.8	1553.6	1697.3	1722.9	2010.2	2322.2	2309.0	2151.3	2063.0	1815.3	1549.5
87.5°	284.8	801.6	951.0	1108.7	1214.3	1149.1	1130.1	976.6	699.2	591.1	649.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4
2.5°	1357.2	1360.5	1362.1	1361.3	1362.1	1362.1	1367.1	1365.4	1367.1	1366.2	1371.2
5°	1377.8	1382.8	1386.9	1386.9	1387.7	1389.4	1396.0	1396.0	1399.3	1405.9	1409.2
7.5°	1418.3	1424.9	1425.7	1427.3	1432.3	1429.8	1433.9	1435.6	1438.1	1441.4	1445.5
10°	1460.4	1469.4	1469.4	1468.6	1469.4	1462.8	1465.3	1460.4	1461.2	1466.1	1471.1
12.5°	1507.4	1512.4	1509.1	1506.6	1506.6	1494.2	1492.5	1485.9	1482.6	1483.5	1485.1
15°	1601.5	1597.4	1596.6	1592.4	1577.6	1568.5	1561.9	1541.3	1530.5	1524.7	1514.8
17.5°	1727.0	1729.5	1725.3	1721.2	1699.8	1669.2	1656.0	1633.7	1618.9	1604.0	1585.8
20°	1910.3	1893.8	1892.1	1878.9	1849.2	1806.2	1774.1	1737.7	1717.1	1695.6	1676.6
22.5°	2112.5	2095.2	2083.6	2058.0	2014.3	1959.8	1906.1	1859.9	1828.5	1812.9	1799.6
25°	2337.1	2327.2	2308.2	2243.0	2208.3	2145.5	2086.9	2041.5	2006.0	1992.8	1969.7
27.5°	2606.2	2613.6	2578.1	2517.0	2473.3	2384.9	2334.6	2256.2	2226.4	2178.6	2148.8
30°	3096.5	3048.7	2988.4	2895.1	2806.8	2687.9	2604.5	2522.8	2479.1	2414.7	2335.4
32.5°	3898.1	3715.7	3553.9	3355.8	3168.4	3016.5	2895.9	2792.8	2725.9	2619.4	2484.8
35°	4544.5	4368.7	4101.2	3813.1	3567.1	3372.3	3220.4	3123.0	2989.2	2819.2	2624.3
37.5°	5018.4	4816.1	4566.0	4345.6	4077.3	3860.2	3654.6	3452.3	3264.1	3006.6	2758.1
40°	5787.8	5513.7	5101.7	4841.7	4622.1	4328.2	4135.9	3863.5	3577.0	3245.1	2885.2
42.5°	6548.9	6185.7	5812.5	5513.7	5201.6	4883.0	4618.8	4253.1	3872.5	3442.4	2999.1
45°	7433.0	6988.1	6500.2	6082.5	5762.2	5387.4	5048.9	4599.8	4114.4	3604.2	3098.2
47.5°	8129.8	7688.9	7138.3	6717.3	6285.5	5862.9	5423.7	4869.8	4294.4	3736.3	3190.7
50°	8797.6	8372.5	7787.2	7270.4	6774.3	6264.1	5733.3	5061.3	4435.5	3839.5	3264.1
52.5°	9397.0	9018.9	8386.5	7769.0	7214.3	6626.5	5968.5	5240.4	4570.9	3946.0	3321.9
55°	9904.6	9550.5	8983.4	8214.8	7584.9	6934.4	6190.6	5403.9	4713.7	4057.5	3364.0
57.5°	10245.6	10040.9	9434.9	8606.9	7889.5	7196.9	6358.2	5568.2	4847.5	4126.8	3382.2
60°	10404.1	10376.8	9864.2	8961.1	8160.3	7401.7	6569.5	5742.4	4935.8	4158.2	3356.6
62.5°	10371.1	10565.9	10191.1	9203.8	8332.8	7529.6	6704.9	5817.5	4913.5	4082.2	3243.5
63°	10340.5	10574.1	10237.3	9227.7	8346.9	7542.0	6718.1	5808.4	4892.9	4048.4	3204.7
65°	10116.8	10476.7	10248.9	9184.8	8282.5	7506.5	6658.7	5665.6	4687.3	3835.4	2985.1
67.5°	9568.7	9929.4	9803.1	8711.8	7865.6	7125.1	6243.4	5179.3	4183.8	3383.0	2578.1
70°	8436.9	8759.6	8608.6	7648.5	6862.6	6337.6	5499.6	4307.6	3408.6	2719.3	1962.3
72.5°	6673.5	6900.6	6933.6	6170.8	5569.0	5253.6	4430.6	3249.3	2489.8	1893.8	1273.8
75°	4941.6	4888.8	4899.5	4473.5	4228.3	4095.4	3312.0	2228.9	1677.5	1157.4	755.4
77.5°	4153.2	3773.5	3449.9	3331.8	3046.2	2963.6	2184.3	1367.9	979.1	692.6	430.1
80°	3377.2	2801.8	2331.3	2122.4	2011.0	2027.5	1208.6	728.9	512.7	377.3	269.1
82.5°	2309.0	1871.5	1476.0	1282.0	1262.2	1281.2	628.2	357.5	270.8	217.1	169.2
85°	1365.4	1285.3	1147.5	1018.7	974.1	919.6	467.2	255.9	139.5	115.6	94.9
87.5°	590.3	724.8	742.1	738.8	687.7	552.3	171.7	66.0	58.6	29.7	23.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4
2.5°	1371.2	1372.0	1370.4	1372.0	1377.8	1377.8	1377.0	1378.6	1379.5	1384.4	1382.8
5°	1412.5	1413.3	1414.1	1419.9	1424.0	1429.0	1427.3	1429.0	1432.3	1433.1	1434.8
7.5°	1450.4	1455.4	1462.0	1464.5	1471.9	1473.6	1481.0	1481.8	1483.5	1480.2	1476.9
10°	1476.9	1481.8	1490.1	1494.2	1507.4	1509.1	1514.8	1516.5	1519.8	1517.3	1514.8
12.5°	1490.1	1494.2	1503.3	1511.5	1529.7	1535.5	1545.4	1551.2	1555.3	1552.8	1544.6
15°	1517.3	1516.5	1521.4	1528.0	1544.6	1555.3	1569.3	1576.8	1581.7	1577.6	1566.8
17.5°	1580.1	1568.5	1568.5	1564.4	1576.8	1579.2	1585.0	1589.1	1587.5	1575.1	1557.8
20°	1666.7	1649.4	1638.7	1628.8	1624.6	1604.0	1593.3	1578.4	1565.2	1542.9	1523.1
22.5°	1779.0	1766.6	1741.9	1719.6	1688.2	1646.1	1600.7	1561.9	1533.0	1502.5	1468.6
25°	1949.1	1921.0	1885.5	1832.7	1792.2	1717.9	1642.0	1568.5	1506.6	1458.7	1401.7
27.5°	2109.2	2049.8	1982.9	1900.4	1826.1	1727.0	1630.4	1545.4	1464.5	1387.7	1322.5
30°	2243.0	2139.8	2030.8	1915.2	1809.6	1689.8	1577.6	1481.0	1389.4	1298.6	1236.6
32.5°	2343.7	2195.1	2049.8	1902.0	1771.6	1631.2	1502.5	1399.3	1295.2	1199.5	1127.7
35°	2434.5	2233.9	2044.0	1866.5	1712.1	1556.9	1418.3	1302.7	1188.8	1086.4	1003.8
37.5°	2499.7	2247.1	2019.2	1815.3	1636.2	1466.1	1315.9	1192.9	1070.7	966.7	875.9
40°	2550.0	2240.5	1972.2	1736.9	1532.2	1355.5	1208.6	1079.8	957.6	853.6	758.7
42.5°	2583.9	2215.7	1901.2	1647.7	1445.5	1260.6	1116.9	981.5	859.4	750.4	645.6
45°	2627.6	2205.8	1857.4	1580.9	1367.1	1180.5	1027.0	894.9	767.7	653.8	553.9
47.5°	2668.9	2200.0	1821.9	1525.6	1296.1	1107.9	956.0	817.3	689.3	577.9	487.1
50°	2693.7	2190.9	1784.8	1458.7	1216.8	1033.6	888.3	747.9	619.1	512.7	431.7
52.5°	2701.1	2172.8	1736.1	1382.8	1148.3	970.0	818.9	678.6	554.8	459.0	383.9
55°	2695.3	2137.3	1670.0	1320.8	1078.1	899.8	748.8	612.5	500.3	410.3	350.0
57.5°	2667.3	2066.3	1585.0	1242.4	998.1	811.5	662.9	538.2	438.4	366.5	320.3
60°	2604.5	1963.9	1481.0	1132.6	883.3	706.6	566.3	459.0	374.8	322.8	292.2
62.5°	2467.5	1816.2	1329.9	977.4	729.8	567.1	445.0	365.7	308.7	281.5	263.3
63°	2427.0	1765.0	1285.3	936.1	703.3	535.8	417.7	345.9	294.7	272.4	257.6
65°	2214.1	1528.9	1086.4	752.9	544.8	406.2	318.7	271.6	244.4	236.1	232.0
67.5°	1814.5	1189.6	764.4	505.2	365.7	280.7	235.3	217.1	207.2	206.4	208.9
70°	1282.0	789.2	473.0	323.6	251.8	212.2	194.8	186.6	181.6	183.3	188.2
72.5°	833.8	463.1	298.8	236.9	204.7	186.6	174.2	171.7	170.1	168.4	170.1
75°	440.8	289.8	226.2	198.1	179.1	164.3	156.0	152.7	153.5	153.5	153.5
77.5°	273.2	220.4	193.2	175.0	160.2	145.3	137.0	134.6	135.4	137.0	137.9
80°	209.7	192.3	170.1	156.8	135.4	123.0	118.9	118.1	119.7	119.7	122.2
82.5°	153.5	148.6	140.3	123.8	107.3	99.1	98.2	101.5	98.2	97.4	99.1
85°	90.0	84.2	91.6	78.4	71.8	66.9	70.2	76.8	80.1	75.9	74.3
87.5°	28.9	19.8	28.9	32.2	28.9	24.8	31.4	37.1	38.0	36.3	41.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: OVF-F05-LED-E-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4
2.5°	1381.9	1387.7	1381.9	1384.4	1383.6	1381.9	1384.4	1381.1	1379.5	1384.4	1383.6
5°	1433.9	1434.8	1427.3	1428.2	1427.3	1420.7	1420.7	1417.4	1413.3	1414.1	1412.5
7.5°	1476.0	1474.4	1468.6	1466.1	1458.7	1453.7	1450.4	1445.5	1442.2	1438.9	1437.2
10°	1508.2	1504.1	1500.0	1492.5	1485.1	1481.0	1471.9	1464.5	1462.0	1457.1	1453.7
12.5°	1536.3	1528.9	1522.3	1513.2	1504.1	1497.5	1486.8	1481.0	1476.9	1470.3	1465.3
15°	1552.0	1538.0	1525.6	1511.5	1501.6	1491.7	1479.3	1476.9	1471.1	1464.5	1455.4
17.5°	1533.0	1513.2	1490.1	1475.2	1460.4	1445.5	1433.1	1433.1	1430.6	1423.2	1407.5
20°	1494.2	1464.5	1437.2	1413.3	1398.4	1377.0	1369.5	1358.0	1349.7	1336.5	1316.7
22.5°	1430.6	1399.3	1363.8	1339.8	1314.2	1290.3	1275.4	1257.3	1250.7	1229.2	1202.8
25°	1359.6	1314.2	1276.3	1244.9	1209.4	1181.3	1160.7	1135.9	1119.4	1098.8	1065.8
27.5°	1275.4	1228.4	1185.5	1150.8	1113.6	1074.8	1036.9	1008.0	978.2	954.3	935.3
30°	1184.6	1135.9	1083.1	1042.6	999.7	951.0	919.6	880.8	857.7	831.3	806.5
32.5°	1065.8	1022.8	960.9	913.9	861.0	823.0	797.5	760.3	733.1	710.8	696.7
35°	935.3	870.9	809.0	773.5	737.2	706.6	671.2	642.3	624.1	601.0	588.6
37.5°	793.3	718.2	665.4	634.0	596.9	582.0	559.7	542.4	525.9	510.2	500.3
40°	666.2	596.9	549.0	522.6	497.8	481.3	467.2	459.8	449.1	436.7	429.3
42.5°	560.5	505.2	458.2	433.4	414.4	412.8	403.7	397.9	393.8	386.3	374.8
45°	478.0	427.6	387.2	367.4	359.1	359.9	359.9	355.0	355.0	352.5	345.1
47.5°	422.7	377.3	347.5	334.3	331.0	331.9	329.4	327.7	328.6	327.7	323.6
50°	379.7	340.9	316.2	311.2	310.4	309.6	306.3	303.8	303.0	304.6	303.8
52.5°	336.0	303.8	289.8	288.1	288.9	288.9	288.1	287.3	288.9	290.6	288.1
55°	311.2	288.1	279.0	279.0	279.0	279.0	278.2	277.4	279.9	282.3	278.2
57.5°	288.1	271.6	268.3	268.3	268.3	266.6	266.6	267.5	270.8	275.7	270.8
60°	270.8	262.5	262.5	263.3	262.5	259.2	256.7	256.7	260.9	267.5	263.3
62.5°	254.3	250.1	251.8	251.0	249.3	245.2	241.9	241.9	246.8	253.4	255.1
63°	250.1	246.8	248.5	247.7	246.0	242.7	239.4	239.4	243.5	250.1	252.6
65°	232.0	232.8	233.6	234.4	233.6	232.8	228.7	227.0	230.3	235.3	238.6
67.5°	210.5	212.2	213.8	217.9	216.3	216.3	213.8	212.2	213.0	215.5	217.9
70°	190.7	192.3	194.8	196.5	197.3	198.1	196.5	194.0	194.8	195.6	197.3
72.5°	171.7	173.4	175.0	178.3	178.3	178.3	176.7	175.0	175.8	177.5	179.1
75°	154.4	155.2	156.8	159.3	160.2	158.5	158.5	156.8	157.7	160.2	161.8
77.5°	137.0	135.4	136.2	137.9	140.3	140.3	141.2	140.3	142.0	143.6	145.3
80°	117.2	115.6	113.9	114.7	118.1	122.2	126.3	126.3	128.8	129.6	132.1
82.5°	93.3	91.6	90.8	93.3	92.5	98.2	107.3	112.3	115.6	118.9	120.5
85°	72.6	68.5	70.2	70.2	68.5	77.6	85.9	92.5	93.3	98.2	99.1
87.5°	42.9	41.3	39.6	38.0	43.8	52.8	60.3	62.7	64.4	66.9	69.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: OVF-F05-LED-E-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4
2.5°	1377.0	1383.6	1381.9	1381.1	1381.9	1381.1	1378.6	1379.5	1377.8	1378.6	1377.0
5°	1403.4	1406.7	1404.2	1400.1	1400.1	1394.3	1390.2	1386.9	1382.8	1381.1	1377.8
7.5°	1429.0	1426.5	1423.2	1415.8	1411.6	1404.2	1398.4	1391.8	1387.7	1382.8	1377.0
10°	1444.7	1439.7	1433.1	1424.0	1412.5	1405.9	1397.6	1387.7	1382.8	1380.3	1374.5
12.5°	1452.1	1438.9	1428.2	1411.6	1395.1	1382.8	1373.7	1363.8	1361.3	1358.0	1353.9
15°	1434.8	1415.8	1388.5	1366.2	1344.8	1327.4	1320.0	1309.3	1306.8	1306.0	1305.2
17.5°	1376.2	1347.3	1320.8	1291.1	1272.1	1256.4	1249.8	1247.4	1243.2	1241.6	1242.4
20°	1282.0	1257.3	1230.9	1221.0	1198.7	1194.5	1184.6	1178.0	1170.6	1168.1	1164.0
22.5°	1172.2	1141.7	1125.2	1117.8	1108.7	1087.2	1082.3	1075.7	1065.8	1058.3	1056.7
25°	1044.3	1019.5	1018.7	1001.4	993.9	982.4	969.2	960.9	955.1	946.1	939.4
27.5°	913.9	904.8	889.1	875.9	870.9	864.3	844.5	840.4	833.8	826.4	818.9
30°	792.5	785.9	771.0	758.7	751.2	738.0	719.0	720.7	707.5	697.6	691.0
32.5°	674.5	669.5	655.5	652.2	628.2	621.6	601.8	586.9	573.7	563.8	555.6
35°	568.0	554.8	555.6	540.7	527.5	507.7	487.1	468.1	457.3	452.4	445.0
37.5°	491.2	478.8	466.4	449.9	435.1	421.0	408.6	402.9	396.3	397.9	398.7
40°	421.8	412.8	403.7	392.1	383.0	377.3	374.0	374.0	374.8	378.9	382.2
42.5°	372.3	364.9	359.9	355.8	357.5	357.5	359.9	364.1	368.2	374.0	377.3
45°	339.3	335.2	333.5	335.2	340.1	344.2	350.0	356.6	363.2	369.0	371.5
47.5°	319.5	317.0	317.0	321.1	328.6	335.2	344.2	350.8	358.3	363.2	364.9
50°	298.0	297.2	297.2	300.5	307.1	315.4	324.4	331.0	337.6	341.8	343.4
52.5°	285.6	283.2	282.3	286.5	292.2	300.5	309.6	316.2	321.1	324.4	325.3
55°	274.9	272.4	270.8	275.7	282.3	289.8	300.5	307.9	312.9	317.0	320.3
57.5°	265.8	263.3	261.7	267.5	274.1	283.2	292.2	300.5	307.1	312.0	315.4
60°	258.4	255.1	253.4	260.0	266.6	275.7	284.8	293.9	303.0	308.7	310.4
62.5°	249.3	246.8	244.4	248.5	251.8	258.4	266.6	275.7	284.0	289.8	289.8
63°	246.8	246.0	242.7	246.0	249.3	255.1	263.3	271.6	279.9	286.5	285.6
65°	236.1	236.1	234.4	237.8	241.1	246.8	253.4	262.5	269.9	274.9	275.7
67.5°	218.8	219.6	221.2	224.5	231.1	236.9	244.4	252.6	259.2	262.5	264.2
70°	199.0	200.6	203.9	208.9	214.6	219.6	224.5	232.8	238.6	241.9	243.5
72.5°	180.0	184.1	186.6	190.7	194.0	199.0	203.1	211.3	216.3	218.8	222.9
75°	162.6	165.9	167.6	170.1	173.4	175.0	180.0	183.3	189.9	193.2	198.1
77.5°	146.1	147.8	150.2	154.4	155.2	157.7	159.3	164.3	167.6	170.9	175.0
80°	131.3	132.9	136.2	138.7	139.5	141.2	142.0	141.2	140.3	137.9	141.2
82.5°	118.1	119.7	123.8	126.3	128.8	128.8	128.0	118.9	114.7	116.4	118.9
85°	97.4	99.1	103.2	108.1	109.0	108.1	109.0	99.9	94.1	91.6	94.1
87.5°	61.1	59.4	73.5	80.1	75.1	76.8	77.6	72.6	67.7	57.8	60.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	0°
2.5°	1378.6	1372.8	1373.7	1375.3	1375.3	1377.8	1374.5	1370.4	1372.8	1368.7	1367.9	2.5°
5°	1377.8	1370.4	1370.4	1372.0	1370.4	1372.0	1369.5	1365.4	1367.9	1362.9	1362.1	5°
7.5°	1374.5	1370.4	1372.0	1373.7	1371.2	1372.0	1371.2	1365.4	1366.2	1363.8	1358.0	7.5°
10°	1372.8	1370.4	1373.7	1378.6	1378.6	1379.5	1377.0	1370.4	1366.2	1363.8	1358.8	10°
12.5°	1355.5	1358.8	1365.4	1377.0	1381.1	1387.7	1391.0	1387.7	1389.4	1386.1	1384.4	12.5°
15°	1306.0	1314.2	1325.0	1342.3	1354.7	1369.5	1387.7	1396.0	1411.6	1424.0	1432.3	15°
17.5°	1246.5	1252.3	1263.9	1283.7	1299.4	1329.1	1353.9	1381.9	1412.5	1445.5	1474.4	17.5°
20°	1173.1	1168.9	1187.1	1208.6	1235.8	1268.8	1305.2	1347.3	1397.6	1450.4	1500.8	20°
22.5°	1064.9	1064.9	1083.9	1109.5	1142.5	1180.5	1230.9	1276.3	1342.3	1419.1	1493.4	22.5°
25°	941.1	943.6	956.8	985.7	1008.8	1063.3	1110.3	1168.9	1248.2	1332.4	1431.5	25°
27.5°	809.0	825.5	822.2	852.8	883.3	937.0	1001.4	1060.8	1149.1	1239.1	1352.2	27.5°
30°	689.3	686.8	686.0	722.3	752.9	801.6	854.4	929.5	1018.7	1134.3	1264.7	30°
32.5°	540.7	549.8	556.4	577.9	610.9	656.3	713.3	791.7	899.0	1015.4	1162.3	32.5°
35°	446.6	449.1	458.2	470.5	499.4	537.4	596.9	666.2	760.3	880.8	1036.9	35°
37.5°	400.4	402.9	412.8	424.3	445.0	473.0	513.5	567.1	653.8	766.1	911.4	37.5°
40°	385.5	388.0	393.8	404.5	423.5	447.4	479.6	520.9	583.6	671.2	798.3	40°
42.5°	378.9	378.9	379.7	388.0	407.0	435.1	469.7	506.9	553.1	619.1	722.3	42.5°
45°	371.5	371.5	370.7	376.4	391.3	423.5	465.6	511.0	561.4	618.3	699.2	45°
47.5°	364.9	363.2	361.6	364.1	376.4	409.5	458.2	513.5	577.9	648.9	730.6	47.5°
50°	341.8	341.8	340.9	341.8	353.3	388.0	444.1	511.0	592.7	684.4	783.4	50°
52.5°	325.3	326.1	326.9	326.9	336.0	371.5	433.4	511.8	609.2	719.0	844.5	52.5°
55°	321.1	322.8	322.8	321.1	328.6	360.8	423.5	509.3	620.8	757.8	909.7	55°
57.5°	316.2	317.0	317.8	316.2	321.1	349.2	409.5	497.8	617.5	772.7	958.4	57.5°
60°	309.6	306.3	305.4	303.0	306.3	328.6	384.7	473.0	597.7	766.1	974.9	60°
62.5°	291.4	288.9	286.5	284.0	286.5	303.0	357.5	442.5	564.7	739.7	961.7	62.5°
63°	287.3	285.6	283.2	280.7	280.7	298.8	348.4	435.1	556.4	732.2	956.8	63°
65°	275.7	274.9	273.2	270.8	269.9	284.0	327.7	401.2	517.6	699.2	925.4	65°
67.5°	262.5	262.5	261.7	258.4	254.3	262.5	293.1	350.8	449.9	614.2	847.8	67.5°
70°	243.5	243.5	242.7	241.1	236.1	241.9	261.7	299.7	370.7	501.9	710.8	70°
72.5°	224.5	224.5	227.0	226.2	227.0	227.8	237.8	258.4	301.3	390.5	537.4	72.5°
75°	199.8	203.9	204.7	206.4	207.2	206.4	211.3	223.7	248.5	299.7	392.1	75°
77.5°	179.1	184.9	184.1	182.4	181.6	182.4	181.6	187.4	205.6	237.8	290.6	77.5°
80°	147.8	153.5	153.5	152.7	151.1	152.7	151.1	156.8	171.7	199.8	231.1	80°
82.5°	121.4	125.5	128.0	129.6	128.0	134.6	134.6	132.9	144.5	169.2	194.8	82.5°
85°	97.4	101.5	104.0	107.3	109.0	107.3	106.5	104.8	111.4	131.3	148.6	85°
87.5°	61.9	65.2	65.2	66.0	66.0	68.5	63.6	57.8	52.8	75.1	78.4	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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NUMBER: OVF-F05-LED-E-U-SLL

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
1365.4	1365.4	1365.4	1365.4	1365.4	1365.4	1365.4
1365.4	1365.4	1366.2	1363.8	1366.2	1366.2	1363.8
1359.6	1358.0	1358.0	1357.2	1358.8	1358.0	1357.2
1354.7	1354.7	1351.4	1348.9	1348.1	1351.4	1349.7
1353.0	1351.4	1350.6	1348.9	1349.7	1352.2	1353.9
1382.8	1377.0	1378.6	1377.8	1378.6	1381.1	1386.1
1437.2	1437.2	1441.4	1432.3	1436.4	1440.5	1447.1
1498.3	1513.2	1520.6	1519.8	1521.4	1524.7	1532.2
1550.3	1597.4	1630.4	1638.7	1661.0	1665.9	1654.4
1573.5	1657.7	1732.0	1781.5	1836.8	1859.1	1865.7
1526.4	1647.7	1769.9	1883.8	1992.8	2055.6	2110.9
1477.7	1621.3	1784.0	1954.0	2131.5	2291.7	2411.4
1410.0	1599.9	1819.5	2049.0	2284.2	2507.1	2706.9
1335.7	1565.2	1822.8	2101.8	2392.4	2669.7	2911.6
1229.2	1484.3	1769.9	2093.5	2430.3	2777.9	3080.0
1107.0	1355.5	1675.8	2045.7	2427.9	2833.2	3195.6
976.6	1230.9	1567.7	1963.9	2395.7	2850.5	3276.5
878.4	1130.1	1460.4	1886.3	2347.8	2839.0	3315.3
828.0	1043.5	1372.8	1810.4	2294.1	2810.9	3331.8
837.9	1020.3	1320.8	1747.6	2246.3	2780.4	3327.7
893.2	1055.0	1320.0	1724.5	2215.7	2752.3	3316.1
976.6	1133.4	1367.9	1751.8	2232.2	2749.8	3315.3
1070.7	1243.2	1483.5	1825.2	2302.4	2794.4	3335.1
1161.5	1377.0	1632.1	1989.5	2435.3	2905.8	3415.2
1215.2	1499.2	1822.8	2221.5	2640.0	3101.5	3591.0
1227.6	1572.6	1992.0	2449.3	2920.7	3384.7	3865.1
1226.7	1580.1	2020.9	2496.4	2977.7	3449.9	3935.3
1207.7	1594.9	2098.5	2651.6	3206.3	3729.7	4228.3
1148.3	1568.5	2141.4	2796.1	3433.4	4038.5	4669.2
1012.1	1448.0	2091.1	2843.1	3568.7	4243.2	4963.1
792.5	1194.5	1805.4	2598.8	3385.5	4059.9	4970.5
557.2	844.5	1389.4	2134.0	2767.2	3430.9	4439.7
388.0	547.3	902.3	1435.6	1996.9	2503.0	3300.4
284.0	364.1	540.7	858.5	1211.9	1564.4	2048.1
218.8	262.5	345.9	518.4	684.4	875.9	1235.0
153.5	173.4	213.8	320.3	459.0	626.6	904.8
66.9	78.4	103.2	189.0	310.4	298.8	284.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0

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