

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: P157111

Luminaire Tested: **UTLD-E03-LED-E-U-SL4-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157111
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33670)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E03-LED-E-U-SL4-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7745.5 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 75.2
Input Voltage (V): NR
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: 28.75 FT

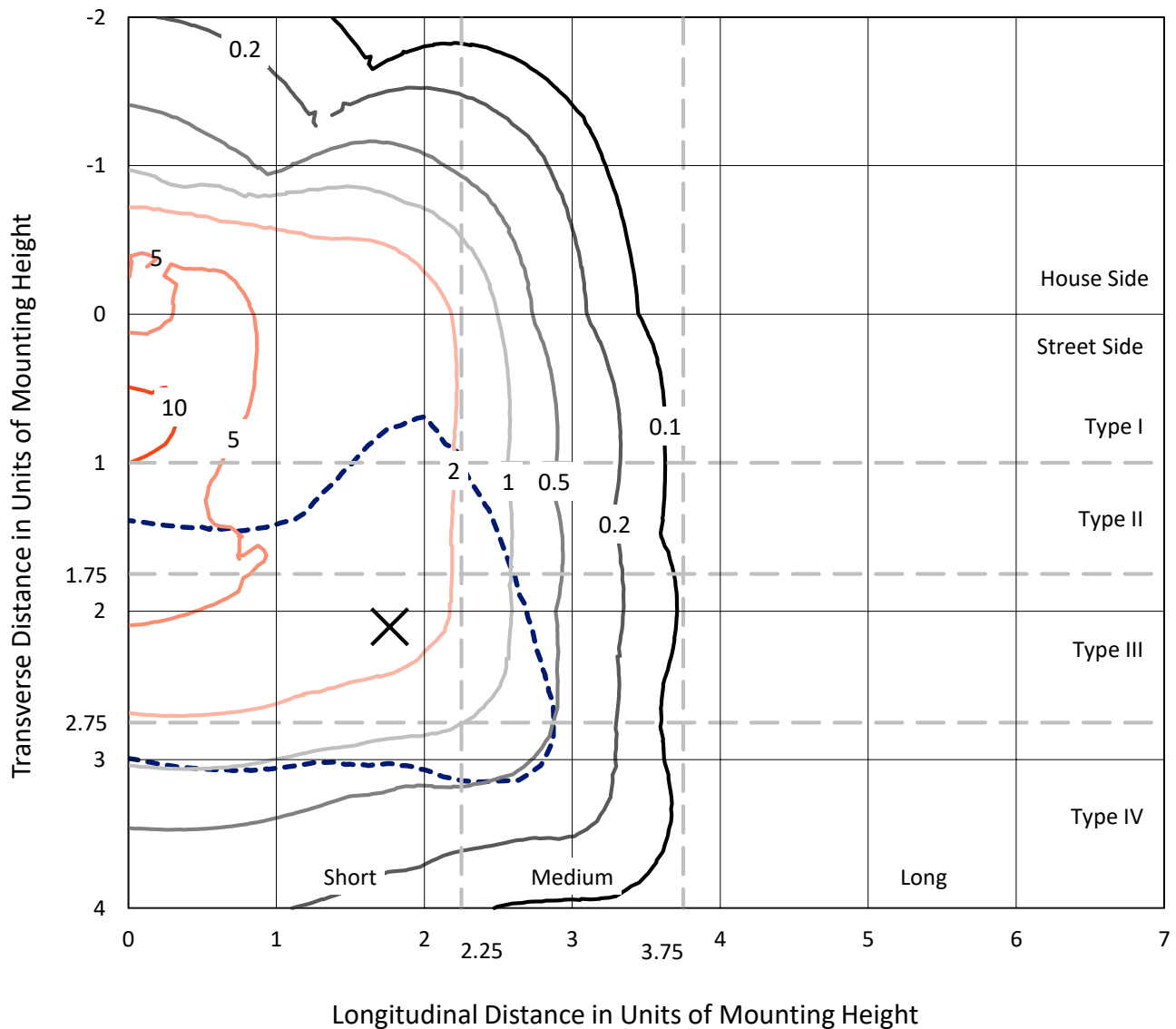


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

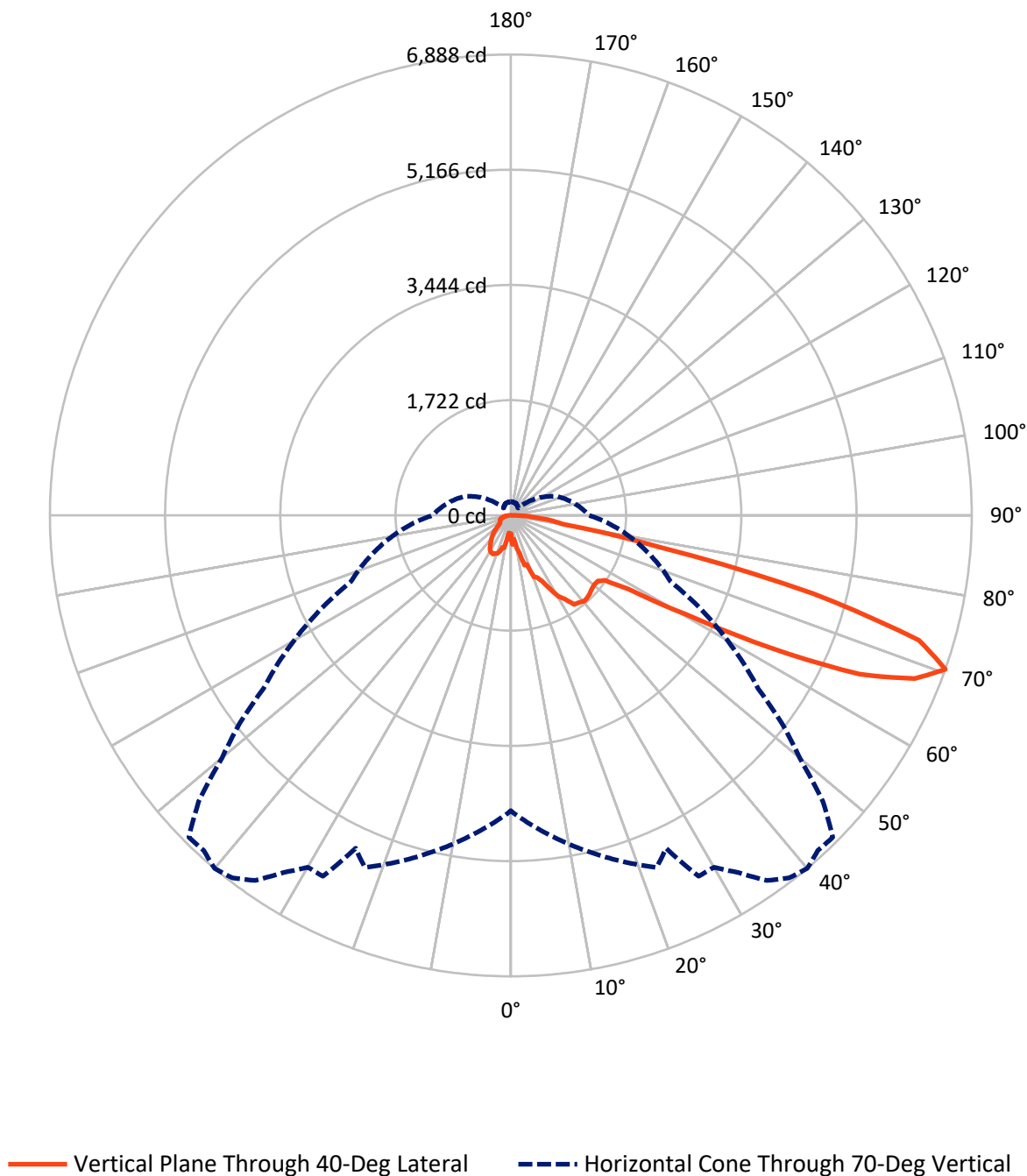


Based on 10 foot mounting height. Maximum calculated value = 12.6 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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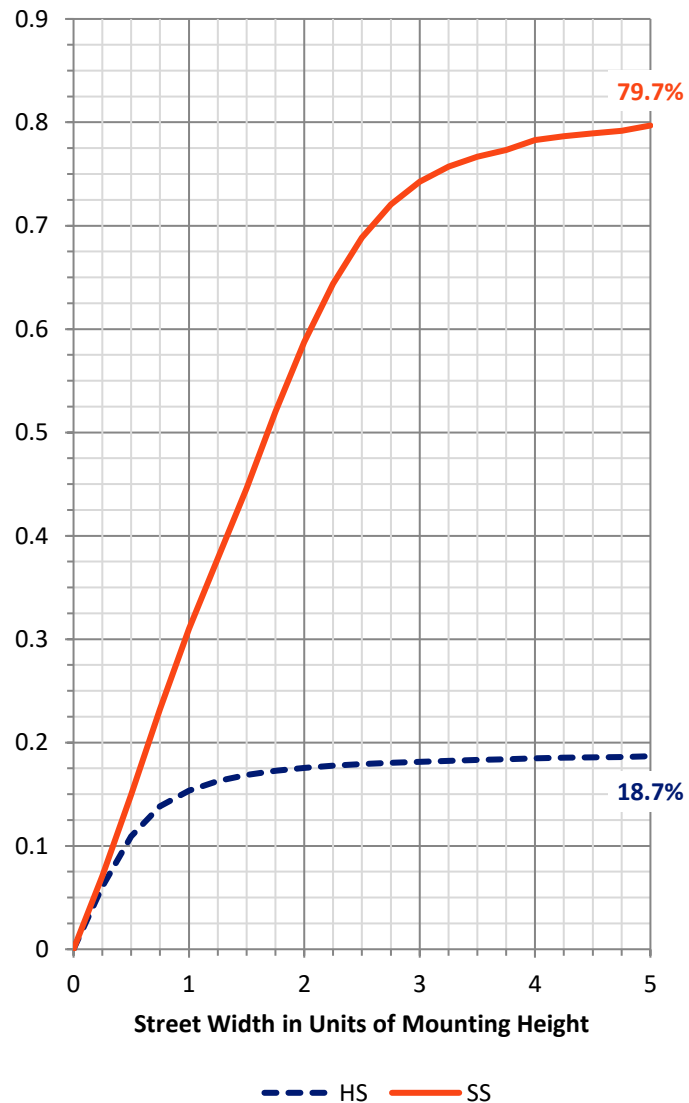
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1467.7	0.0	1467.7
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	6277.8	0.0	6277.8
	% Fixture	81.1	0.0	81.1
Total	Lumens	7745.5	0.0	7745.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.8	0.4
10°-20°	172.6	2.2
20°-30°	423.9	5.5
30°-40°	709.4	9.2
40°-50°	897.6	11.6
50°-60°	1393.1	18.0
60°-70°	2618.2	33.8
70°-80°	1291.3	16.7
80°-90°	204.6	2.6
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°	7745.5	100.0
0°-180°	7745.5	100.0

Coefficient of Utilization



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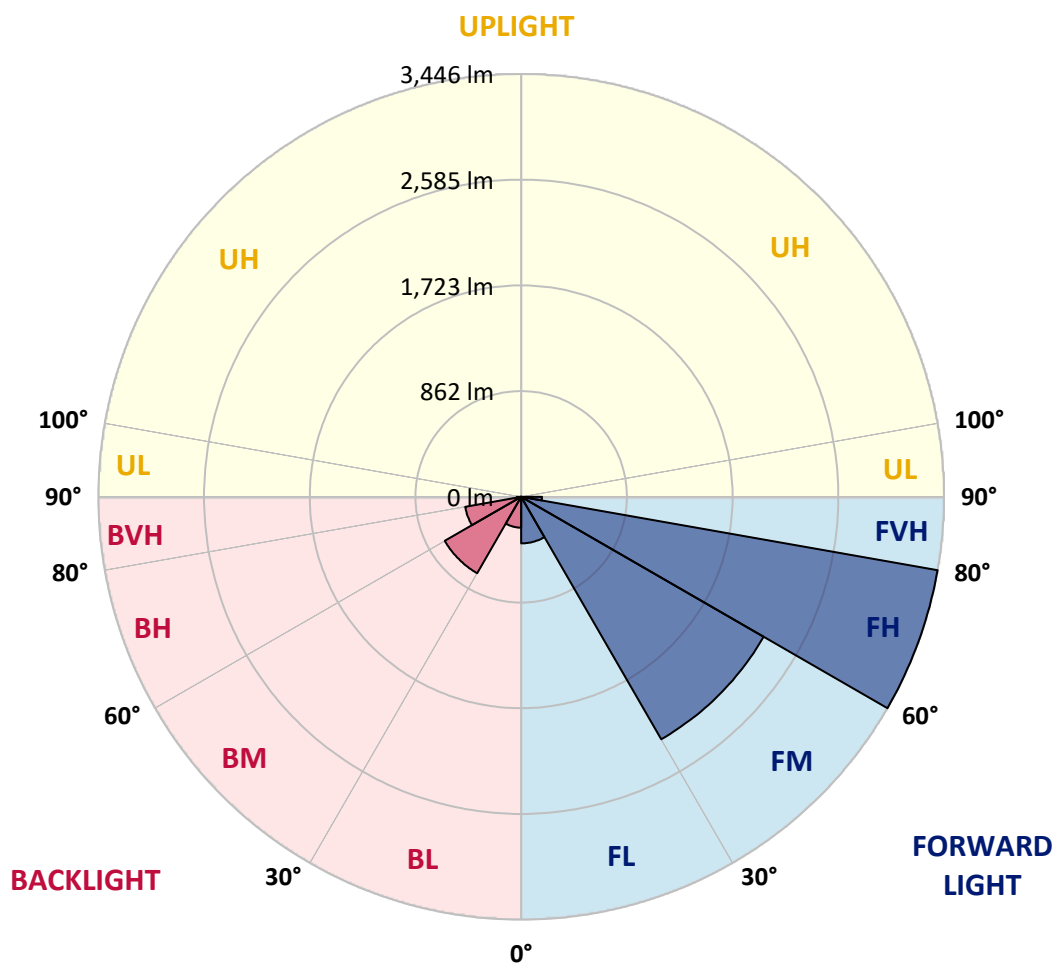
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	379.6	4.9			
FM	(30°-60°)	2281.8	29.5			
FH	(60°-80°)	3446.3	44.5			G2/5000
FVH	(80°-90°)	170.1	2.2			G2/225
BL	(0°-30°)	251.7	3.2	B1/500		
BM	(30°-60°)	718.3	9.3	B1/1000		
BH	(60°-80°)	463.2	6.0	B1/500		G1/500
BVH	(80°-90°)	34.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	0.3°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°
0°	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4
2.5°	432.5	423.3	432.5	431.0	438.7	437.1	437.1	432.5	431.0	435.6	434.0
5°	363.2	364.8	357.1	349.4	354.0	354.0	354.0	350.9	349.4	355.5	360.2
7.5°	538.7	540.2	535.6	527.9	538.7	527.9	523.3	495.6	446.4	364.8	360.2
10°	544.9	543.3	532.5	526.4	527.9	527.9	524.9	520.2	500.2	501.8	511.0
12.5°	706.5	706.5	681.8	661.8	671.1	652.6	549.5	529.5	520.2	584.9	644.9
15°	754.2	715.7	692.6	661.8	672.6	680.3	785.0	792.7	809.6	772.7	766.5
17.5°	883.5	885.0	851.2	843.5	934.3	894.3	803.4	792.7	806.5	771.1	765.0
20°	1043.5	1040.5	935.8	1077.4	962.0	955.8	932.7	923.5	960.4	978.9	877.3
22.5°	1085.1	1086.6	1142.1	1202.1	1108.2	1069.7	1028.2	1028.2	1020.5	1008.1	955.8
25°	1332.9	1336.0	1183.6	1260.6	1157.4	1203.6	1183.6	1142.1	1109.7	1089.7	1066.6
27.5°	1459.1	1439.1	1385.2	1480.7	1420.6	1371.4	1280.6	1200.5	1235.9	1237.5	1202.1
30°	1666.9	1665.4	1623.8	1620.7	1503.8	1443.7	1462.2	1411.4	1379.1	1405.3	1300.6
32.5°	1988.6	1997.8	1726.9	1705.4	1665.4	1657.7	1591.5	1557.6	1486.8	1491.4	1402.2
35°	2351.8	2354.9	1964.0	1827.0	1850.1	1771.6	1663.8	1636.1	1577.6	1633.0	1506.8
37.5°	2496.5	2493.4	2165.6	1960.9	1925.5	1817.7	1767.0	1742.3	1670.0	1653.1	1545.3
40°	2733.5	2735.1	2294.9	2020.9	2039.4	1902.4	1859.3	1779.3	1679.2	1686.9	1562.2
42.5°	2812.0	2812.0	2333.4	2034.8	2076.3	1956.3	1868.5	1782.3	1694.6	1679.2	1579.2
45°	2844.4	2845.9	2314.9	2045.5	2030.1	1945.5	1845.5	1768.5	1677.7	1657.7	1565.3
47.5°	2839.7	2838.2	2282.6	2042.5	2011.7	1910.1	1845.5	1760.8	1659.2	1633.0	1548.4
50°	2805.9	2809.0	2273.3	2025.5	2034.8	1896.2	1847.0	1751.6	1659.2	1620.7	1546.9
52.5°	2841.3	2849.0	2314.9	2033.2	2079.4	1945.5	1863.9	1770.0	1683.8	1630.0	1563.8
55°	3624.7	3680.1	2561.2	2165.6	2257.9	2101.0	1965.5	1870.1	1773.1	1713.1	1656.1
57.5°	5153.1	5157.7	3570.8	2736.6	2919.8	2655.0	2410.3	2328.7	2154.8	2076.3	2054.8
60°	5731.8	5751.8	4791.4	3931.0	4309.6	3898.7	3606.2	3449.3	3213.8	2984.4	2935.2
62.5°	6076.6	6090.4	5445.5	4728.3	5250.1	4980.7	4812.9	4792.9	4559.0	4365.1	4263.5
65°	6309.0	6310.5	5910.4	5245.5	5814.9	5574.8	5611.8	5807.2	5751.8	5721.1	5591.8
67.5°	6047.4	6058.1	6147.4	5653.3	6212.0	6061.2	6249.0	6470.6	6492.2	6509.1	6375.2
70°	4409.7	4434.3	5696.4	5487.1	6078.1	6070.4	6327.5	6658.4	6829.2	6887.7	6792.3
72.5°	2795.1	2773.6	3769.4	4031.1	4443.5	4819.1	5303.9	5828.8	6269.0	6376.7	6295.2
75°	1954.7	1948.6	2033.2	2076.3	2416.5	2510.4	3004.4	3784.8	4351.2	4663.6	4677.5
77.5°	1240.6	1240.6	1226.7	1159.0	1199.0	1160.5	1185.2	1357.5	1676.1	2284.1	2410.3
80°	1025.1	1026.6	911.2	838.8	883.5	874.2	831.1	812.7	791.1	780.4	838.8
82.5°	691.1	680.3	772.7	711.1	734.2	724.9	708.0	688.0	657.2	600.3	549.5
85°	507.9	500.2	472.5	424.8	451.0	446.4	437.1	415.6	400.2	352.5	323.2
87.5°	381.7	378.6	344.8	277.0	292.4	274.0	247.8	221.6	203.2	173.9	152.4
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):

	45°	47.5°	50°	52.5°	55°	67.5°	90°	112.5°	135°	157.5°	180°
0°	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4	269.4
2.5°	434.0	434.0	434.0	424.8	414.0	306.3	266.3	263.2	270.9	378.6	420.2
5°	355.5	349.4	347.8	347.8	350.9	414.0	260.1	266.3	375.6	263.2	261.7
7.5°	355.5	349.4	346.3	341.7	341.7	323.2	254.0	364.8	254.0	295.5	420.2
10°	511.0	495.6	492.5	498.7	486.4	466.4	370.9	387.9	354.0	418.7	420.2
12.5°	643.4	643.4	640.3	655.7	648.0	457.1	406.3	375.6	512.5	441.7	561.8
15°	692.6	641.8	652.6	649.5	635.7	663.4	501.8	474.1	486.4	514.1	541.8
17.5°	788.0	843.5	875.8	835.8	731.1	694.2	604.9	484.8	555.6	586.4	658.8
20°	848.1	840.4	863.5	828.1	783.4	797.3	724.9	704.9	604.9	581.8	604.9
22.5°	928.1	937.3	983.5	928.1	908.1	915.8	823.4	723.4	589.5	697.2	660.3
25°	1029.7	1063.6	1088.2	1060.5	985.1	1082.0	920.4	855.8	638.8	618.7	671.1
27.5°	1182.1	1183.6	1172.8	1139.0	1120.5	1131.3	1031.2	814.2	638.8	591.0	580.3
30°	1268.3	1282.1	1329.8	1249.8	1223.6	1229.8	1045.1	880.4	644.9	517.2	546.4
32.5°	1439.1	1394.5	1366.8	1271.3	1326.8	1234.4	1162.1	920.4	618.7	481.8	484.8
35°	1474.5	1462.2	1477.6	1342.1	1348.3	1342.1	1126.7	937.3	572.6	421.7	383.3
37.5°	1549.9	1513.0	1489.9	1412.9	1434.5	1311.4	1129.7	928.1	540.2	347.8	310.9
40°	1562.2	1566.9	1551.5	1425.3	1446.8	1274.4	1105.1	911.2	504.8	281.7	286.3
42.5°	1596.1	1562.2	1534.5	1425.3	1449.9	1259.0	1125.1	897.3	455.6	243.2	267.8
45°	1582.3	1549.9	1519.1	1422.2	1436.0	1262.1	1146.7	885.0	404.8	227.8	267.8
47.5°	1565.3	1537.6	1499.1	1428.3	1434.5	1288.3	1188.2	878.9	343.2	226.3	269.4
50°	1569.9	1539.2	1502.2	1448.3	1446.8	1309.8	1231.3	911.2	277.0	227.8	266.3
52.5°	1588.4	1554.5	1513.0	1471.4	1466.8	1405.3	1460.7	940.4	224.7	227.8	261.7
55°	1700.8	1662.3	1640.7	1653.1	1648.4	1827.0	2125.6	972.7	193.9	226.3	255.5
57.5°	2165.6	2139.4	2154.8	2247.2	2268.7	2562.7	2736.6	1015.8	181.6	223.2	249.3
60°	3104.5	3126.0	3070.6	3155.3	3110.6	3095.2	3006.0	1099.0	173.9	218.6	243.2
62.5°	4332.7	4260.4	4063.4	4046.4	3881.8	3395.4	3041.4	1120.5	169.3	213.9	235.5
65°	5593.3	5305.5	4902.2	4748.3	4455.9	3547.8	2870.5	1042.0	166.2	210.9	224.7
67.5°	6429.1	6053.5	5501.0	5176.2	4737.5	3393.8	2210.2	901.9	161.6	204.7	212.4
70°	6803.1	6324.4	5631.8	5108.5	4512.8	2585.8	1169.8	740.3	153.9	195.5	206.2
72.5°	6275.1	5813.4	4976.1	4328.1	3510.8	1603.8	595.7	529.5	143.1	180.1	204.7
75°	4475.9	3963.3	3101.4	2522.7	1894.7	728.0	337.1	250.9	127.8	163.2	201.6
77.5°	2239.5	1796.2	1256.0	994.3	780.4	377.1	149.3	124.7	110.8	144.7	169.3
80°	794.2	734.2	669.5	637.2	549.5	201.6	104.7	100.0	97.0	120.1	123.1
82.5°	524.9	489.5	449.4	421.7	338.6	140.1	81.6	86.2	80.0	98.5	84.7
85°	301.7	286.3	255.5	224.7	183.2	106.2	69.3	73.9	55.4	75.4	53.9
87.5°	141.6	133.9	126.2	117.0	104.7	77.0	38.5	69.3	35.4	47.7	27.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)