

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1502914

Luminaire Tested: PRV-P-70-8540-U-T2RE

Issue Date: 07/22/2026

Test Information

Test Method: LM-79-2024
Report Number: P1502914
Test Lab: INNOVATION CENTER(G3)
Issue Date: 7/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-70-8540-U-T2RE
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 70W 85CRI 4000k FIXTURE w/ TYPE II
ROADWAY ILLUMINANCE DISTRIBUTION OPTIC
Light Source: (20) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9294.7 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 74
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

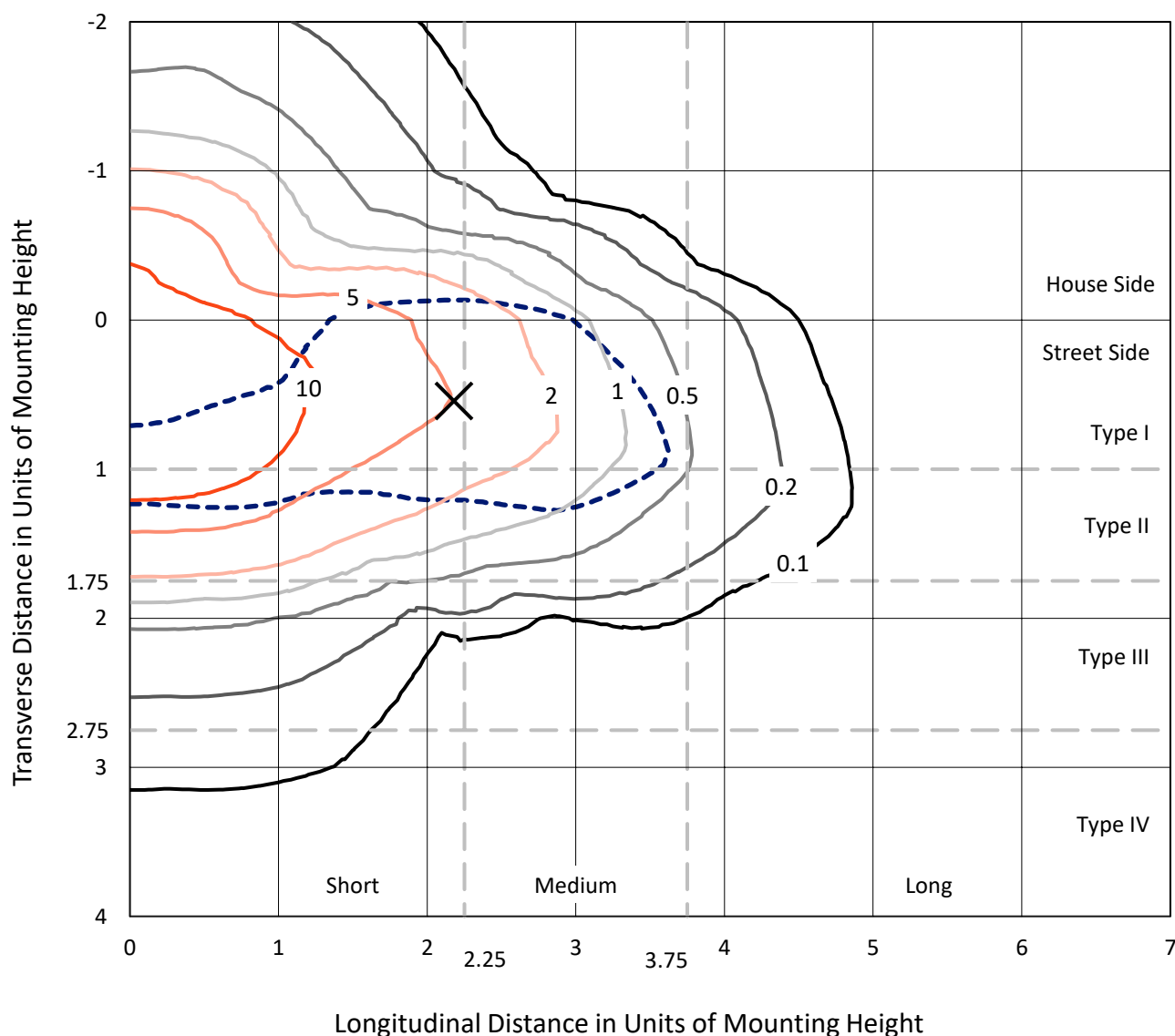
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



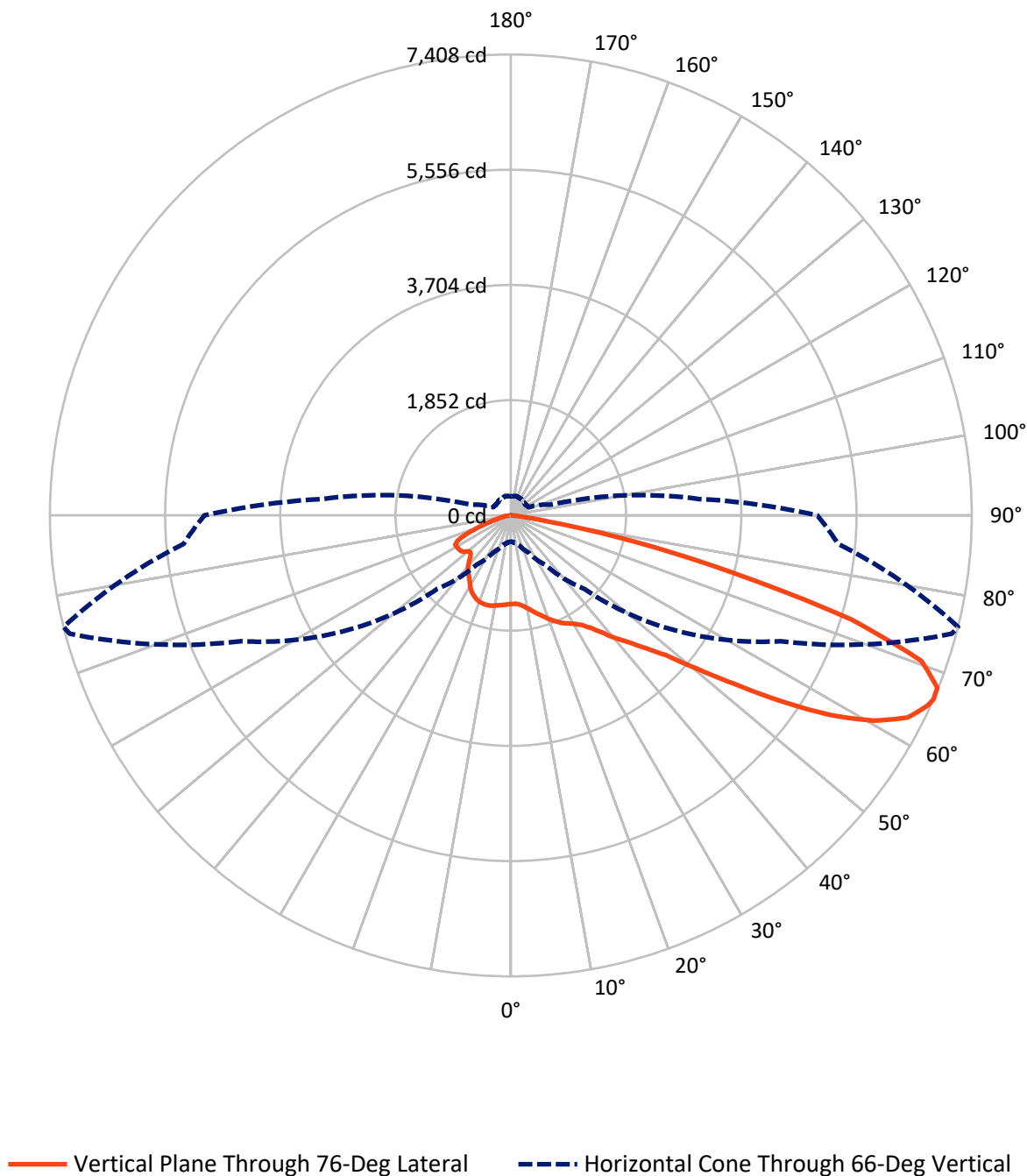
Based on 10 foot mounting height. Maximum calculated value = 20 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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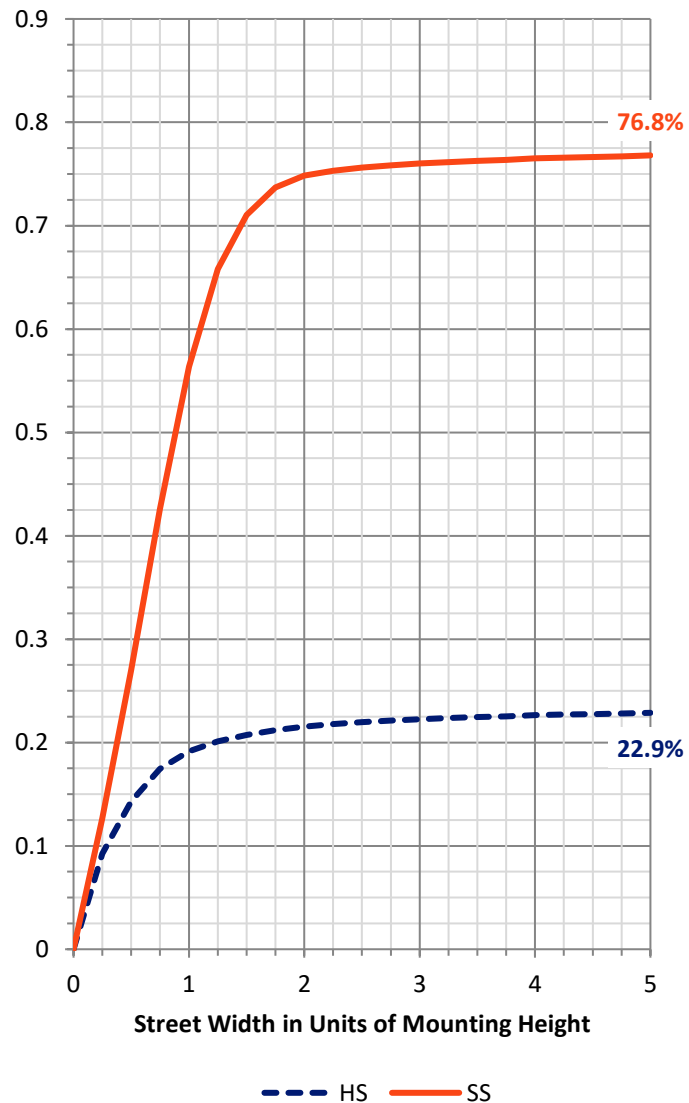
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2139.9	0.0	2139.9
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	7154.8	0.0	7154.8
	% Fixture	77.0	0.0	77.0
Total	Lumens	9294.7	0.0	9294.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.8	1.4
10°-20°	392.9	4.2
20°-30°	747.5	8.0
30°-40°	1301.6	14.0
40°-50°	1886.7	20.3
50°-60°	2166.0	23.3
60°-70°	1809.3	19.5
70°-80°	782.3	8.4
80°-90°	74.7	0.8
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°	9294.7	100.0
0°-180°	9294.7	100.0

Coefficient of Utilization



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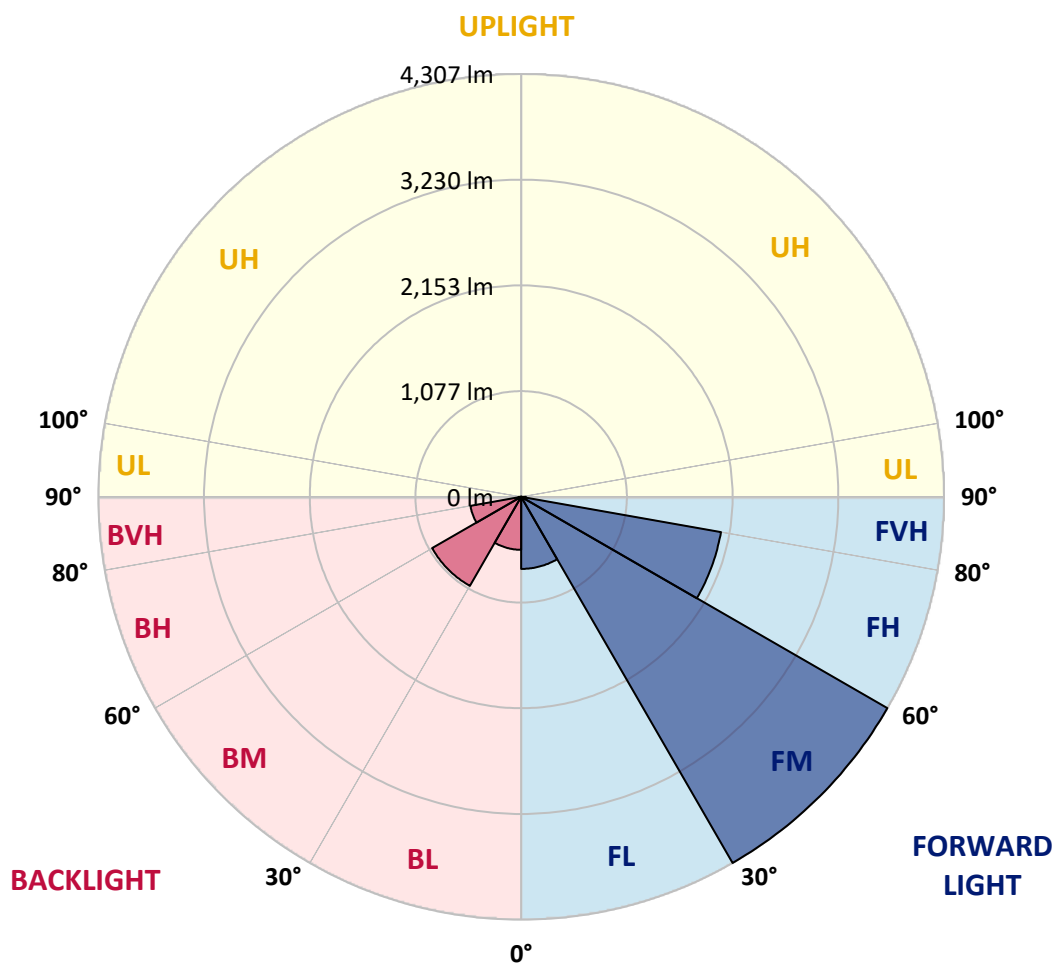
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	734.2	7.9			
FM	(30°-60°)	4306.5	46.3			
FH	(60°-80°)	2066.4	22.2			G2/5000
FVH	(80°-90°)	47.7	0.5			G1/100
BL	(0°-30°)	540.0	5.8	B2/1000		
BM	(30°-60°)	1047.7	11.3	B2/2500		
BH	(60°-80°)	525.2	5.7	B2/1000		G2/1000
BVH	(80°-90°)	27.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9
2.5°	1432.8	1436.7	1442.7	1442.7	1442.7	1432.8	1430.8	1424.9	1424.9	1420.9	1426.8
5°	1434.8	1438.7	1452.6	1468.5	1478.4	1474.4	1468.5	1450.6	1438.7	1436.7	1438.7
7.5°	1307.9	1311.9	1335.7	1369.4	1411.0	1450.6	1494.2	1496.2	1470.4	1474.4	1462.5
10°	1230.6	1228.7	1240.6	1262.4	1317.8	1389.2	1464.5	1525.9	1523.9	1522.0	1506.1
12.5°	1270.3	1270.3	1272.3	1280.2	1294.1	1329.7	1434.8	1535.8	1577.4	1579.4	1557.6
15°	1363.4	1361.4	1359.5	1363.4	1355.5	1353.5	1411.0	1537.8	1642.8	1642.8	1629.0
17.5°	1458.5	1458.5	1466.5	1474.4	1472.4	1440.7	1442.7	1555.6	1706.3	1708.2	1702.3
20°	1599.2	1593.3	1601.2	1611.1	1607.2	1575.5	1527.9	1585.4	1773.6	1783.5	1787.5
22.5°	1765.7	1755.8	1765.7	1771.7	1769.7	1718.1	1660.7	1640.9	1833.1	1848.9	1882.6
25°	1975.8	1963.9	1985.7	1993.6	1977.8	1918.3	1821.2	1726.1	1892.5	1916.3	1967.8
27.5°	2279.0	2267.1	2282.9	2296.8	2261.1	2158.1	2015.4	1837.1	1944.1	1965.9	2043.1
30°	2716.9	2742.7	2683.2	2653.5	2592.1	2441.5	2249.2	1981.7	1999.6	2021.4	2110.5
32.5°	3226.2	3228.2	3182.6	3034.0	2940.9	2766.5	2522.7	2183.9	2084.8	2100.6	2173.9
35°	3654.3	3644.4	3600.8	3509.6	3319.4	3113.3	2820.0	2411.7	2201.7	2223.5	2253.2
37.5°	3981.3	3975.3	3975.3	3892.1	3725.6	3468.0	3135.1	2681.3	2376.1	2389.9	2364.2
40°	4248.8	4240.9	4264.7	4242.9	4116.0	3820.7	3428.4	2915.1	2580.2	2596.0	2479.1
42.5°	4480.7	4466.8	4494.5	4506.4	4433.1	4171.5	3733.6	3166.8	2786.3	2788.3	2613.9
45°	4708.6	4706.6	4738.3	4756.1	4700.6	4437.1	3999.1	3458.1	3032.0	3047.9	2792.2
47.5°	4526.2	4542.1	4678.8	4847.3	4918.6	4688.7	4258.7	3739.5	3357.0	3351.1	3012.2
50°	3947.6	4013.0	4278.5	4623.3	4918.6	4877.0	4496.5	4058.6	3806.9	3866.3	3398.6
52.5°	3184.6	3164.8	3555.2	4098.2	4647.1	4845.3	4716.5	4417.2	4454.9	4500.5	3814.8
55°	2487.1	2530.7	2829.9	3434.3	4048.6	4544.1	4811.6	4821.5	5206.0	5261.5	4215.1
57.5°	2112.5	2152.1	2384.0	2932.9	3432.3	3979.3	4696.7	5247.6	5970.9	6056.1	4599.6
60°	1525.9	1545.7	1809.3	2342.4	3016.2	3279.7	4347.9	5495.3	6680.4	6700.2	4944.4
62.5°	872.0	899.7	1054.3	1545.7	2318.6	2831.9	3838.6	5461.6	7136.2	7158.0	5257.5
65°	475.6	495.4	590.6	840.2	1329.7	2195.7	3357.0	5039.5	7318.5	7364.1	5344.7
66°	422.1	430.0	491.5	650.0	971.0	1668.6	3220.3	4783.9	7340.3	7407.7	5281.3
67.5°	406.3	406.3	439.9	525.2	644.1	1109.8	2871.5	4454.9	7298.7	7393.8	5122.7
70°	394.4	396.3	424.1	445.9	418.1	382.5	1777.6	4016.9	6805.2	6999.4	4734.3
72.5°	360.7	360.7	398.3	420.1	340.9	239.8	693.6	3392.7	5576.5	5719.2	3951.5
75°	299.2	303.2	340.9	374.5	315.1	196.2	208.1	1940.1	3634.5	3676.1	2665.4
77.5°	231.9	237.8	281.4	295.3	285.4	180.3	168.4	753.1	1989.6	2037.2	1246.5
80°	166.5	172.4	214.0	233.8	227.9	174.4	144.7	235.8	636.1	600.5	382.5
82.5°	105.0	105.0	130.8	168.4	156.6	150.6	118.9	142.7	186.3	184.3	132.8
85°	37.7	41.6	59.5	75.3	71.3	79.3	69.4	79.3	87.2	83.2	51.5
87.5°	2.0	2.0	2.0	4.0	4.0	7.9	7.9	9.9	7.9	9.9	9.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9	1422.9
2.5°	1426.8	1426.8	1430.8	1434.8	1438.7	1430.8	1428.8	1428.8	1420.9	1422.9	1426.8
5°	1438.7	1438.7	1442.7	1438.7	1424.9	1403.1	1389.2	1381.3	1363.4	1365.4	1365.4
7.5°	1460.5	1460.5	1452.6	1424.9	1393.1	1353.5	1327.7	1313.9	1290.1	1294.1	1294.1
10°	1500.2	1494.2	1464.5	1405.0	1345.6	1294.1	1266.3	1246.5	1232.6	1226.7	1228.7
12.5°	1557.6	1547.7	1476.4	1373.3	1288.1	1238.6	1216.8	1202.9	1195.0	1191.0	1193.0
15°	1625.0	1607.2	1476.4	1329.7	1234.6	1189.0	1173.2	1179.1	1189.0	1193.0	1197.0
17.5°	1700.3	1670.6	1466.5	1284.2	1181.1	1149.4	1163.3	1185.1	1204.9	1212.8	1214.8
20°	1781.6	1728.1	1452.6	1230.6	1139.5	1141.5	1173.2	1198.9	1214.8	1220.7	1222.7
22.5°	1862.8	1773.6	1422.9	1169.2	1121.7	1145.4	1177.1	1198.9	1208.8	1212.8	1214.8
25°	1930.2	1799.4	1379.3	1127.6	1113.7	1145.4	1171.2	1187.0	1197.0	1202.9	1204.9
27.5°	1989.6	1805.3	1335.7	1095.9	1107.8	1139.5	1159.3	1175.2	1187.0	1191.0	1193.0
30°	2027.3	1789.5	1272.3	1070.1	1097.9	1125.6	1145.4	1159.3	1169.2	1175.2	1177.1
32.5°	2057.0	1775.6	1187.0	1040.4	1078.1	1109.8	1127.6	1135.5	1139.5	1143.5	1143.5
35°	2086.7	1773.6	1121.7	1002.7	1050.3	1088.0	1093.9	1086.0	1080.0	1070.1	1072.1
37.5°	2118.5	1785.5	1070.1	957.2	1004.7	1042.4	1034.5	1008.7	984.9	953.2	945.3
40°	2160.1	1791.5	1000.8	893.8	943.3	965.1	941.3	893.8	830.3	802.6	802.6
42.5°	2225.5	1827.1	909.6	820.4	850.2	870.0	846.2	764.9	709.5	685.7	687.7
45°	2364.2	1914.3	820.4	741.2	753.1	772.9	725.3	646.0	608.4	592.5	584.6
47.5°	2602.0	2059.0	749.1	661.9	650.0	667.8	610.4	554.9	515.2	479.6	477.6
50°	3034.0	2360.2	723.3	578.7	560.8	590.6	535.1	495.4	449.8	432.0	430.0
52.5°	3511.6	2734.8	751.1	509.3	501.4	527.1	499.4	449.8	418.1	414.2	414.2
55°	3949.6	3087.5	753.1	467.7	467.7	479.6	453.8	418.1	420.1	416.2	410.2
57.5°	4343.9	3273.8	743.1	445.9	436.0	439.9	426.1	402.3	438.0	390.4	378.5
60°	4728.4	3283.7	747.1	426.1	392.4	388.4	400.3	382.5	418.1	360.7	354.7
62.5°	4948.3	3200.5	768.9	388.4	344.8	334.9	350.8	344.8	372.6	342.8	340.9
65°	4966.2	3103.4	709.5	334.9	311.1	303.2	321.0	319.1	330.9	325.0	327.0
66°	4924.6	3030.0	657.9	315.1	293.3	295.3	311.1	311.1	323.0	307.2	305.2
67.5°	4772.0	2875.5	552.9	283.4	269.5	281.4	297.3	299.2	305.2	291.3	293.3
70°	4217.1	2267.1	380.5	249.7	247.7	261.6	269.5	277.4	283.4	295.3	299.2
72.5°	3240.1	1397.1	261.6	225.9	227.9	241.8	243.8	257.6	295.3	309.1	297.3
75°	1997.6	709.5	202.1	192.2	204.1	216.0	220.0	231.9	299.2	291.3	255.6
77.5°	967.1	325.0	160.5	160.5	168.4	182.3	184.3	194.2	269.5	212.0	186.3
80°	299.2	170.4	126.8	126.8	130.8	132.8	142.7	154.6	178.4	113.0	114.9
82.5°	122.9	114.9	97.1	91.2	81.3	81.3	81.3	101.1	91.2	47.6	17.8
85°	55.5	47.6	45.6	37.7	35.7	31.7	31.7	49.5	35.7	11.9	0.0
87.5°	5.9	5.9	5.9	5.9	4.0	2.0	2.0	2.0	2.0	0.0	0.0
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)