

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: P1502964

Luminaire Tested: PRV-P-30-8540-U-T2RE-HSS

Issue Date: 07/22/2026

Test Information

Test Method: LM-79-2024
Report Number: P1502964
Test Lab: INNOVATION CENTER(G3)
Issue Date: 7/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-30-8540-U-T2RE-HSS
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 30W 85CRI 4000k FIXTURE w/ TYPE II
ROADWAY ILLUMINANCE DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3009.6 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

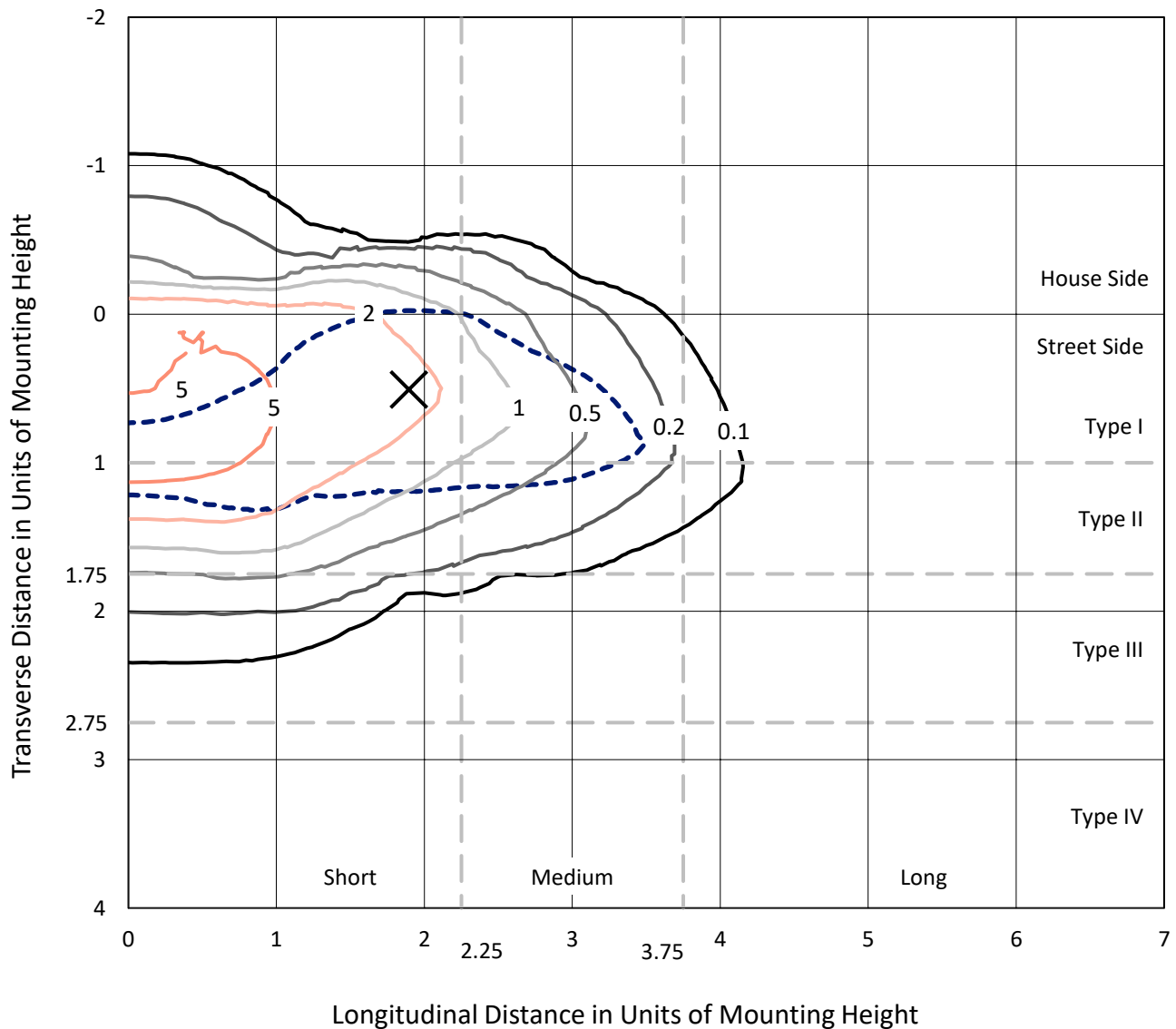
Input Watts (W): 32.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 10.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

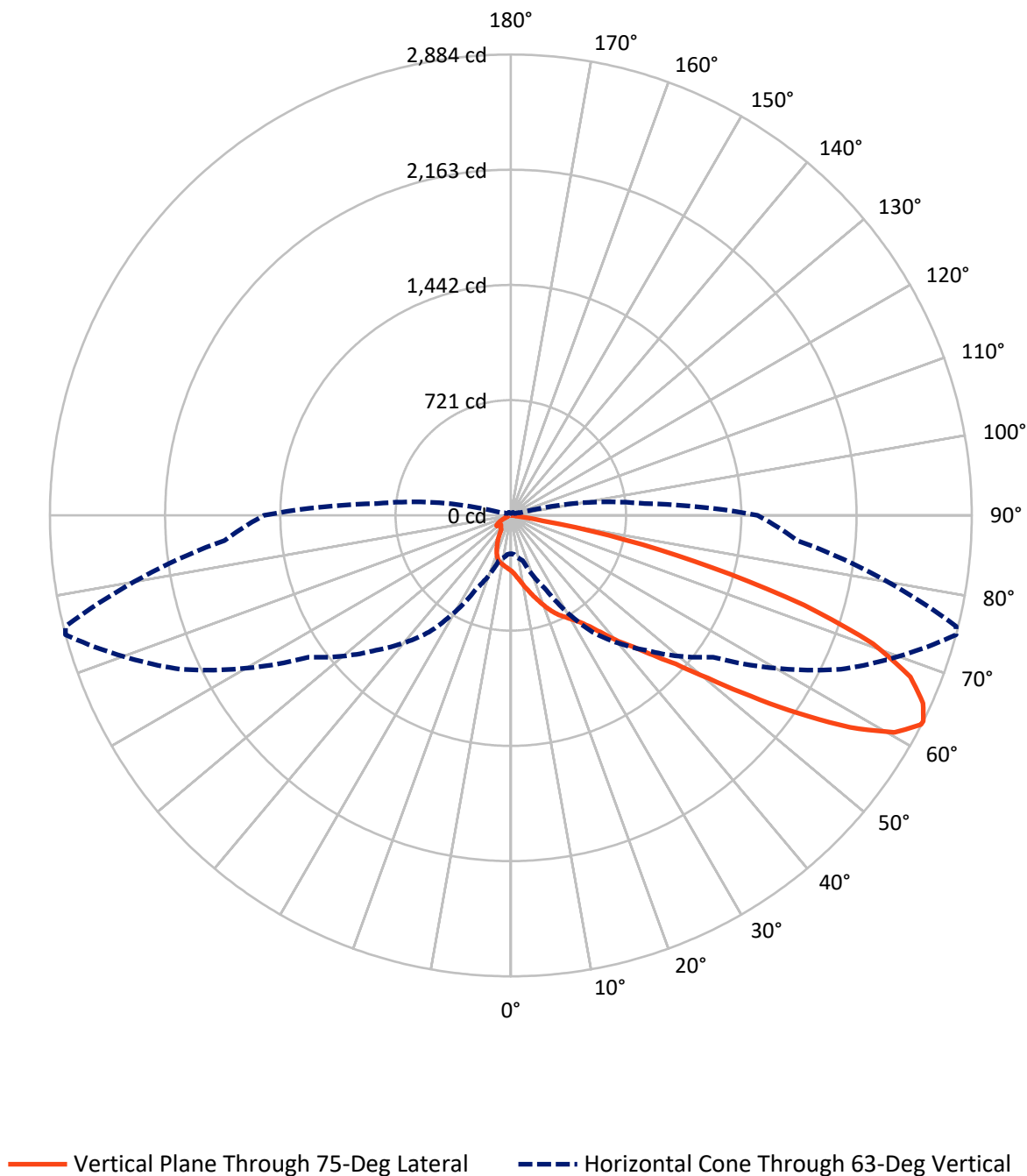


Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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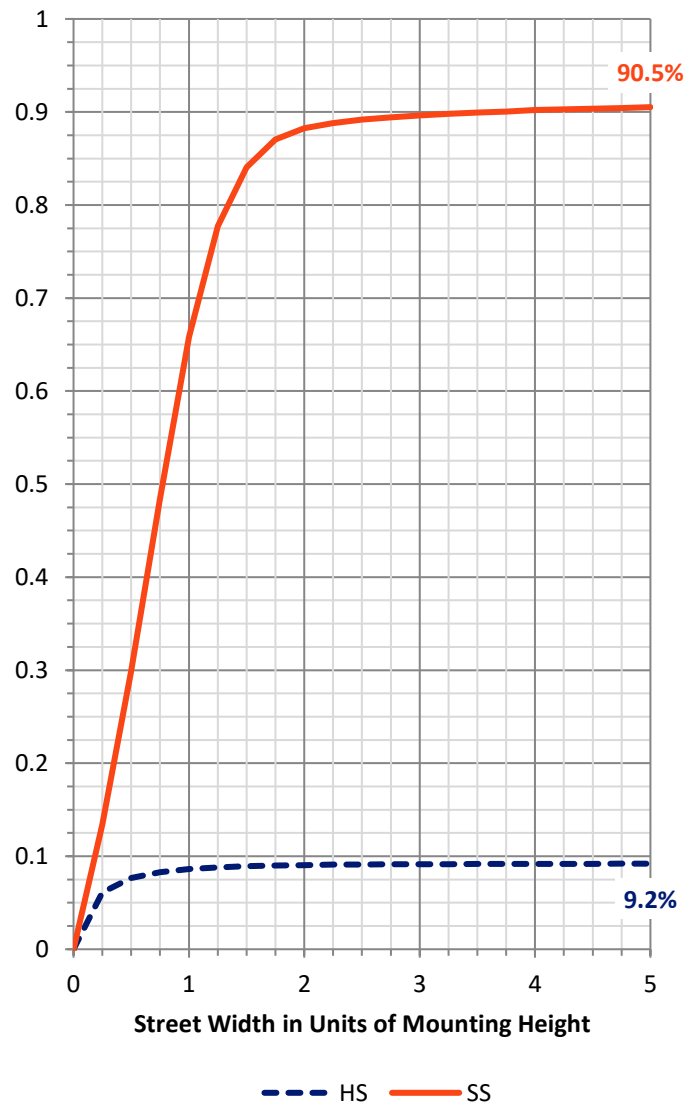
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	278.9	0.0	278.9
	% Fixture	9.3	0.0	9.3
Street Side	Lumens	2730.6	0.0	2730.6
	% Fixture	90.7	0.0	90.7
Total	Lumens	3009.6	0.0	3009.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	1.1
10°-20°	94.5	3.1
20°-30°	180.8	6.0
30°-40°	376.4	12.5
40°-50°	669.2	22.2
50°-60°	799.6	26.6
60°-70°	617.1	20.5
70°-80°	222.3	7.4
80°-90°	16.7	0.6
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°	3009.6	100.0
0°-180°	3009.6	100.0

Coefficient of Utilization



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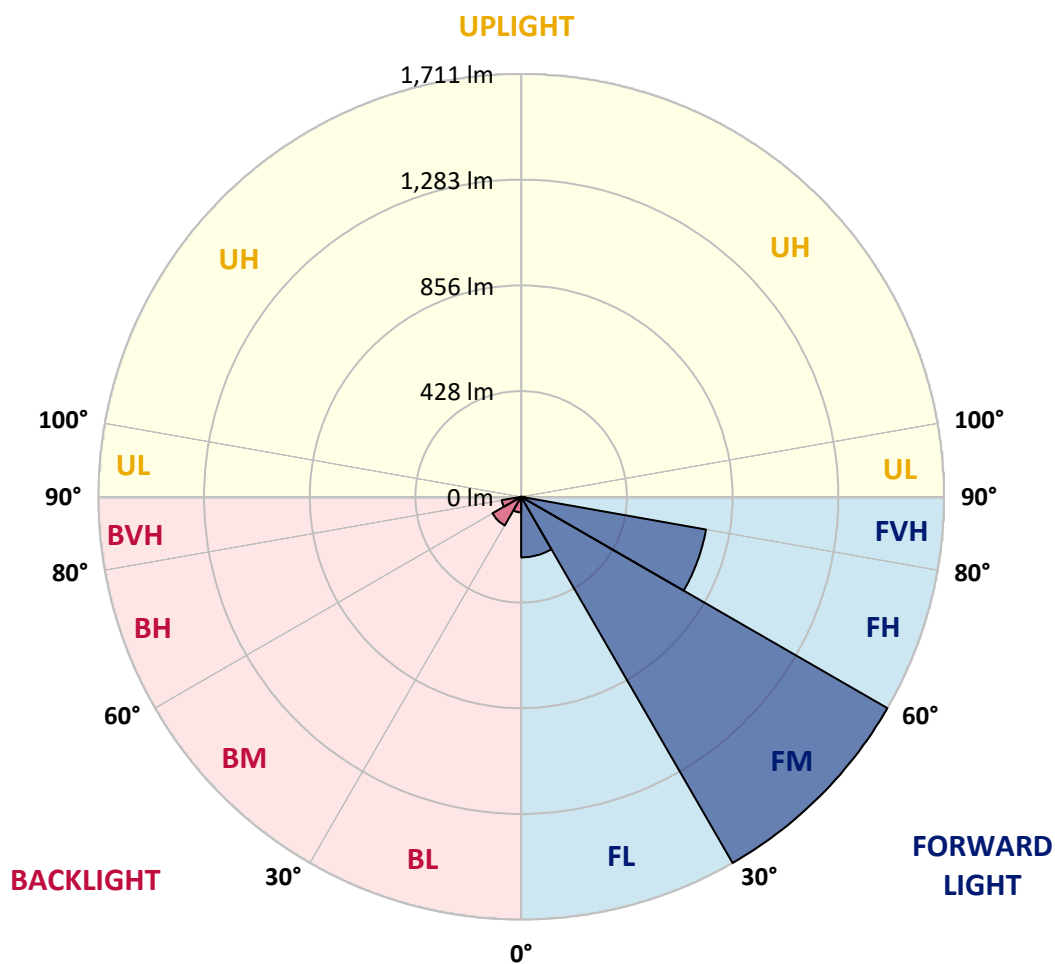
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	245.1	8.1			
FM	(30°-60°)	1711.3	56.9			
FH	(60°-80°)	759.5	25.2			G1/1800
FVH	(80°-90°)	14.8	0.5			G1/100
BL	(0°-30°)	63.3	2.1	B0/110		
BM	(30°-60°)	133.9	4.4	B0/220		
BH	(60°-80°)	79.9	2.7	B0/110		G0/110
BVH	(80°-90°)	1.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3
2.5°	406.1	406.1	407.8	404.3	399.0	388.5	382.3	370.9	362.1	361.2	353.3
5°	465.0	467.6	468.5	465.0	458.8	445.6	428.9	405.2	385.0	381.5	364.8
7.5°	467.6	469.3	474.6	481.7	486.0	482.5	472.0	447.4	412.2	408.7	380.6
10°	447.4	447.4	452.7	461.4	479.0	496.6	501.9	485.2	445.6	440.3	401.7
12.5°	452.7	452.7	457.9	463.2	474.6	488.7	519.4	517.7	480.8	475.5	428.9
15°	472.0	472.0	477.3	484.3	491.3	498.4	523.0	549.3	520.3	515.9	456.2
17.5°	490.4	489.6	498.4	511.5	522.1	523.0	536.1	573.1	560.8	557.2	486.9
20°	508.9	510.7	522.1	541.4	559.9	565.2	566.9	595.0	604.7	601.2	523.8
22.5°	534.4	537.0	551.1	578.3	602.1	613.5	611.7	620.5	648.7	643.4	559.0
25°	575.7	576.6	602.1	635.5	661.0	675.0	668.0	653.0	687.3	682.9	592.4
27.5°	657.4	663.6	682.1	719.8	749.7	751.5	739.2	697.9	719.8	718.1	620.5
30°	875.4	862.2	842.9	837.6	854.3	850.8	831.5	756.8	754.1	751.5	648.7
32.5°	1115.4	1117.1	1082.8	1014.3	991.4	963.3	931.7	838.5	796.3	796.3	679.4
35°	1348.3	1334.2	1321.9	1247.2	1164.6	1102.2	1054.7	936.9	854.3	852.6	719.0
37.5°	1555.7	1543.4	1530.2	1479.2	1380.8	1263.0	1179.5	1054.7	936.9	934.3	766.4
40°	1705.1	1702.5	1694.6	1669.1	1581.2	1445.0	1321.0	1169.9	1034.5	1028.4	823.6
42.5°	1836.1	1837.8	1836.1	1837.8	1781.6	1633.1	1466.1	1287.6	1125.0	1119.8	890.4
45°	1938.9	1939.8	1962.7	1982.0	1954.7	1812.4	1607.6	1428.3	1246.3	1242.8	977.4
47.5°	1840.5	1844.9	1924.9	2049.7	2086.6	1964.4	1756.1	1568.9	1389.6	1390.5	1076.7
50°	1545.2	1568.0	1720.9	1967.1	2120.9	2084.8	1889.7	1723.6	1598.8	1602.3	1233.1
52.5°	1160.2	1183.9	1352.7	1731.5	2018.0	2098.0	2011.0	1887.9	1877.4	1872.1	1391.4
55°	881.6	896.5	1062.6	1415.1	1766.7	1966.2	2076.0	2080.4	2186.8	2185.0	1549.6
57.5°	628.4	649.5	784.0	1203.3	1495.1	1724.5	2037.4	2274.7	2502.3	2494.4	1674.4
60°	408.7	410.5	516.8	922.0	1306.1	1423.0	1872.1	2370.5	2757.2	2757.2	1766.7
62.5°	261.9	269.8	320.8	567.8	987.9	1232.3	1620.8	2314.2	2880.3	2868.0	1804.4
63°	239.1	245.2	293.6	501.9	890.4	1192.7	1546.0	2278.2	2883.8	2871.5	1798.3
65°	182.8	186.3	214.5	303.2	561.6	919.4	1363.2	2043.5	2834.6	2840.7	1743.8
67.5°	160.0	160.8	176.7	210.9	269.0	463.2	1075.8	1722.7	2695.7	2719.4	1597.9
70°	147.7	149.4	167.0	181.1	173.1	152.1	653.0	1431.8	2404.8	2469.8	1410.7
72.5°	126.6	130.1	148.5	169.6	140.6	92.3	241.7	1082.8	1917.8	1981.1	1149.6
75°	102.0	105.5	121.3	143.3	127.4	76.5	75.6	602.9	1298.2	1293.8	747.1
77.5°	77.3	80.0	97.6	109.9	112.5	70.3	60.6	259.3	728.6	701.4	341.9
80°	53.6	57.1	72.1	80.0	87.0	65.0	51.0	74.7	204.8	194.2	79.1
82.5°	28.1	29.0	45.7	51.9	58.0	53.6	39.6	43.9	38.7	36.9	21.1
85°	9.7	11.4	18.5	21.1	23.7	26.4	24.6	26.4	22.9	22.0	14.1
87.5°	1.8	1.8	2.6	3.5	3.5	3.5	4.4	4.4	3.5	3.5	2.6
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°	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3	346.3
2.5°	348.9	344.5	336.6	328.7	319.9	312.0	305.9	303.2	298.0	297.1	293.6
5°	356.0	346.3	327.0	306.7	288.3	270.7	257.5	244.3	236.4	233.8	234.7
7.5°	365.6	351.6	319.1	285.7	253.1	225.0	202.2	181.9	171.4	167.0	166.1
10°	381.5	360.4	311.1	261.0	214.5	174.9	145.0	127.4	116.0	115.1	112.5
12.5°	403.4	373.5	304.1	232.9	172.3	130.1	106.4	94.0	89.7	87.9	87.9
15°	427.2	389.4	296.2	200.4	132.7	97.6	84.4	81.7	80.0	79.1	79.1
17.5°	453.5	404.3	280.4	166.1	102.0	80.9	76.5	74.7	73.0	72.1	72.1
20°	481.7	416.6	260.2	133.6	81.7	73.0	69.4	66.8	65.0	65.0	64.2
22.5°	506.3	424.5	234.7	102.8	73.8	67.7	64.2	61.5	60.6	59.8	59.8
25°	529.1	426.3	207.4	82.6	68.6	62.4	58.0	56.3	55.4	55.4	54.5
27.5°	546.7	422.8	180.2	73.0	63.3	58.0	53.6	51.9	51.9	51.0	51.0
30°	560.8	415.7	149.4	68.6	59.8	53.6	50.1	49.2	48.3	48.3	48.3
32.5°	576.6	408.7	122.2	66.8	57.1	51.0	48.3	47.5	46.6	45.7	45.7
35°	592.4	406.9	107.2	66.8	55.4	50.1	47.5	45.7	44.8	43.9	43.9
37.5°	610.9	407.8	102.0	68.6	55.4	49.2	46.6	44.8	43.9	42.2	42.2
40°	636.3	406.9	97.6	68.6	54.5	48.3	45.7	43.9	42.2	40.4	40.4
42.5°	669.7	415.7	92.3	66.8	53.6	47.5	44.8	42.2	39.6	37.8	37.8
45°	731.3	442.1	87.0	63.3	51.9	45.7	42.2	39.6	36.9	34.3	34.3
47.5°	820.0	502.7	84.4	59.8	49.2	43.1	38.7	35.2	33.4	31.6	31.6
50°	972.1	611.7	93.2	54.5	45.7	39.6	35.2	31.6	29.0	27.2	27.2
52.5°	1128.5	734.8	108.1	51.0	42.2	35.2	30.8	27.2	24.6	22.9	22.9
55°	1269.2	835.0	109.0	46.6	37.8	31.6	27.2	23.7	20.2	19.3	19.3
57.5°	1393.1	890.4	98.4	40.4	33.4	28.1	23.7	20.2	16.7	15.8	15.8
60°	1501.2	880.7	84.4	35.2	29.0	24.6	22.0	18.5	14.9	14.1	14.9
62.5°	1548.7	852.6	70.3	29.0	25.5	22.0	21.1	18.5	13.2	12.3	12.3
63°	1543.4	841.1	66.8	28.1	24.6	22.0	21.1	17.6	13.2	12.3	12.3
65°	1501.2	789.3	51.9	24.6	22.0	20.2	20.2	15.8	12.3	10.5	11.4
67.5°	1379.9	668.0	37.8	21.1	20.2	18.5	17.6	13.2	8.8	7.0	7.0
70°	1125.9	465.8	29.0	19.3	18.5	15.8	12.3	9.7	7.0	5.3	5.3
72.5°	805.1	242.6	25.5	16.7	16.7	12.3	9.7	7.9	6.2	3.5	3.5
75°	472.0	111.6	22.9	14.9	14.1	9.7	7.9	6.2	4.4	2.6	2.6
77.5°	205.7	50.1	20.2	13.2	10.5	8.8	7.0	5.3	3.5	1.8	0.9
80°	46.6	23.7	15.8	10.5	8.8	7.0	5.3	4.4	2.6	0.0	0.0
82.5°	18.5	15.8	11.4	7.0	5.3	3.5	2.6	2.6	0.9	0.0	0.0
85°	11.4	8.8	5.3	3.5	2.6	1.8	1.8	0.9	0.0	0.0	0.0
87.5°	2.6	1.8	1.8	1.8	0.9	0.9	0.9	0.0	0.0	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)