

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: P1462361

Luminaire Tested: PRV-P-30-8540-U-T2R-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1462361
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-30-8540-U-T2R-HSS
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 30W 85CRI 4000k FIXTURE w/ TYPE II
ROADWAY 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: 2836.6 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - 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

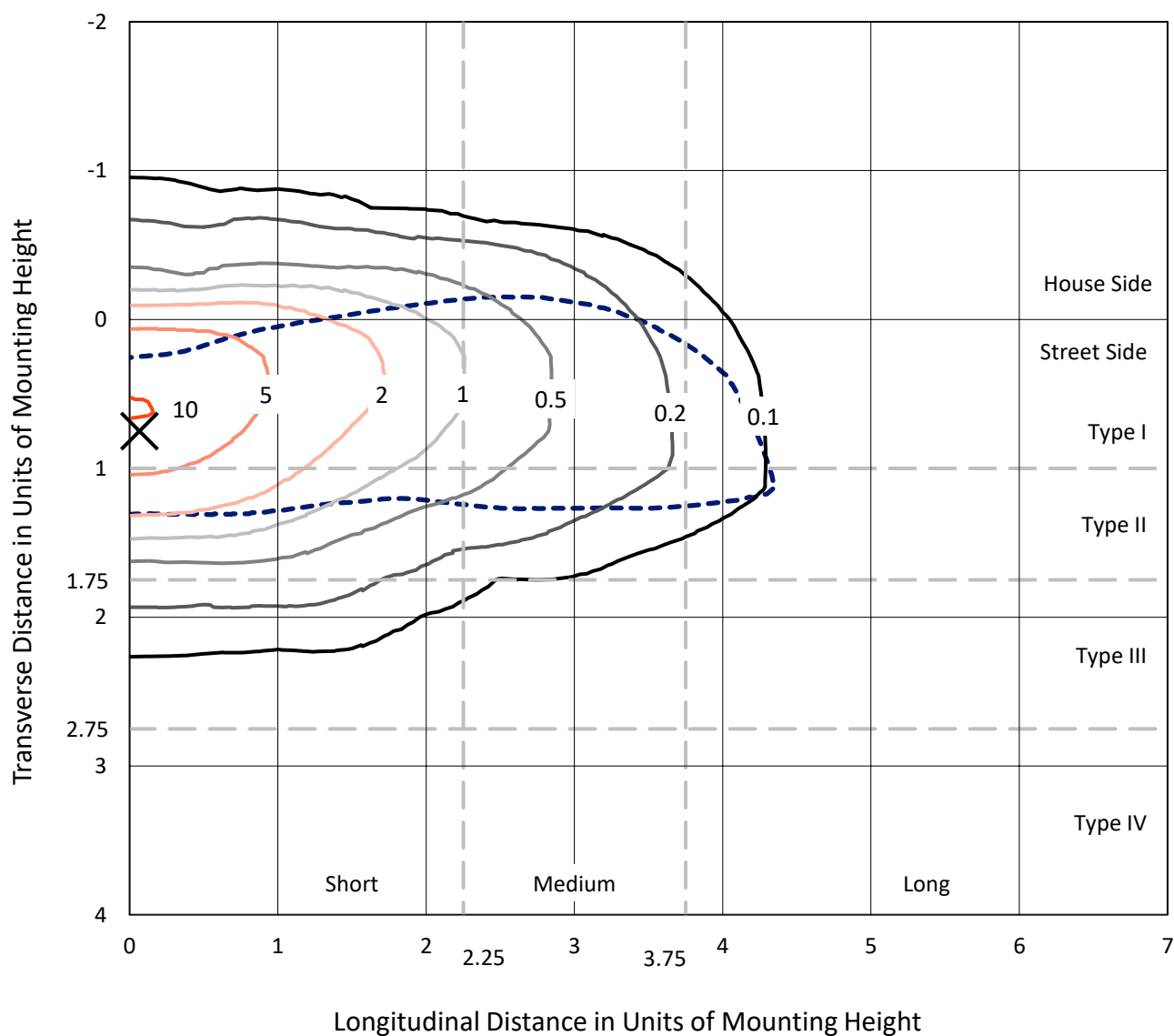
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



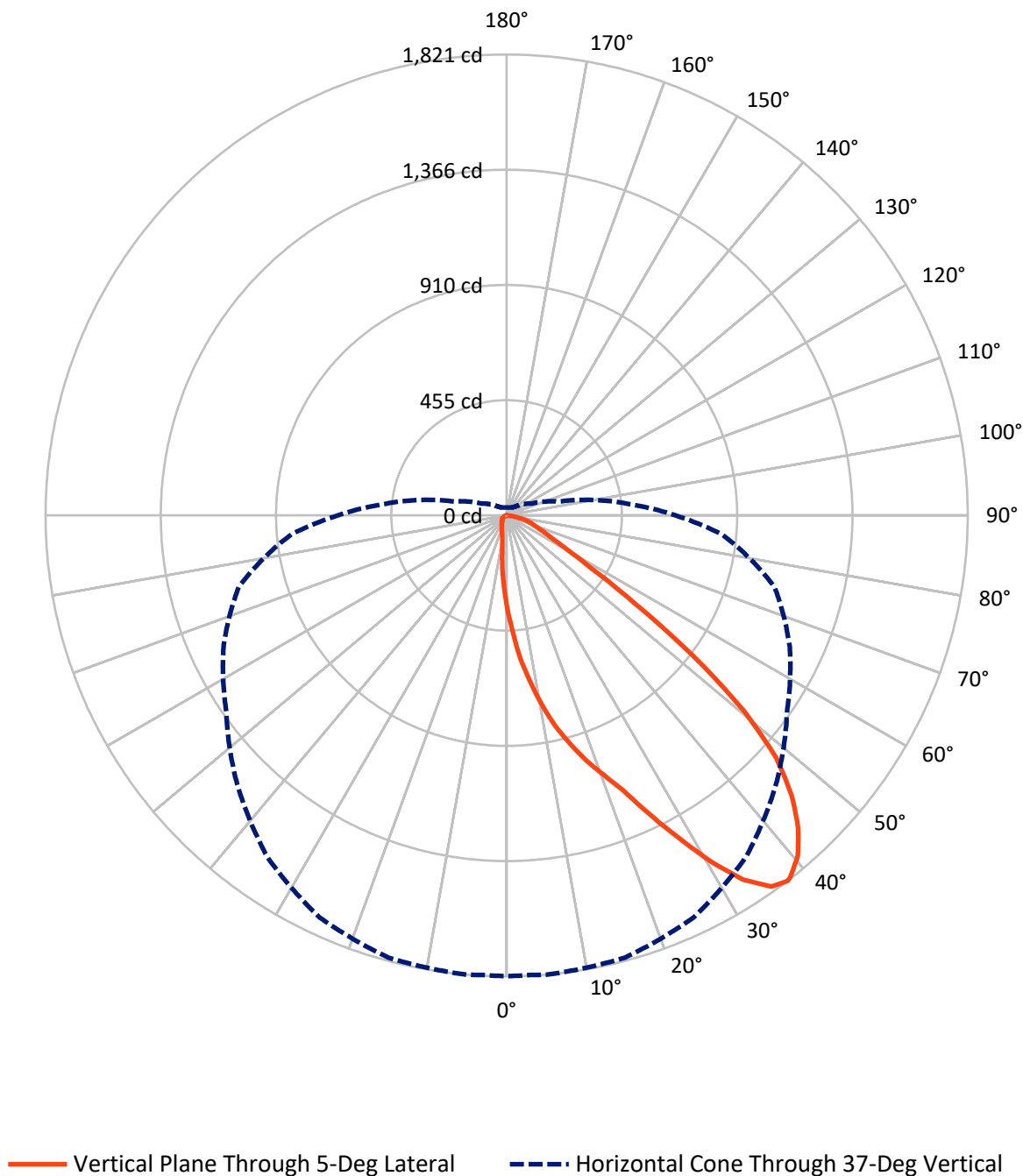
Based on 10 foot mounting height. Maximum calculated value = 10.3 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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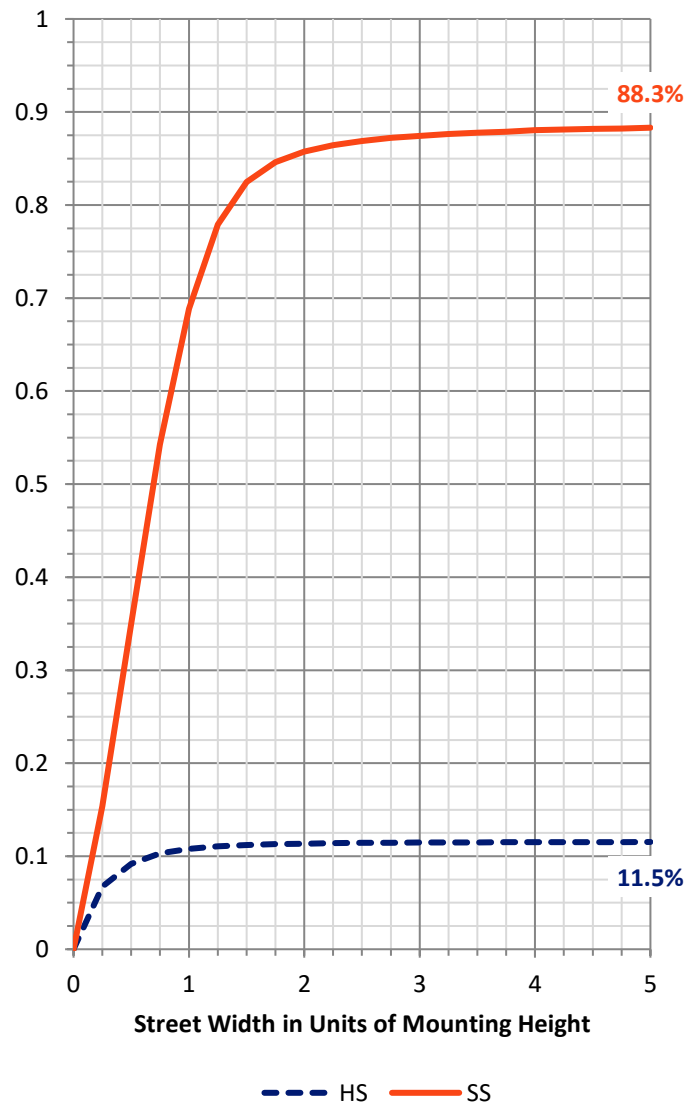
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	329.4	0.0	329.4
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	2507.1	0.0	2507.1
	% Fixture	88.4	0.0	88.4
Total	Lumens	2836.6	0.0	2836.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.2	1.3
10°-20°	131.3	4.6
20°-30°	272.0	9.6
30°-40°	473.0	16.7
40°-50°	617.6	21.8
50°-60°	583.2	20.6
60°-70°	443.6	15.6
70°-80°	247.5	8.7
80°-90°	31.0	1.1
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°	2836.6	100.0
0°-180°	2836.6	100.0

Coefficient of Utilization



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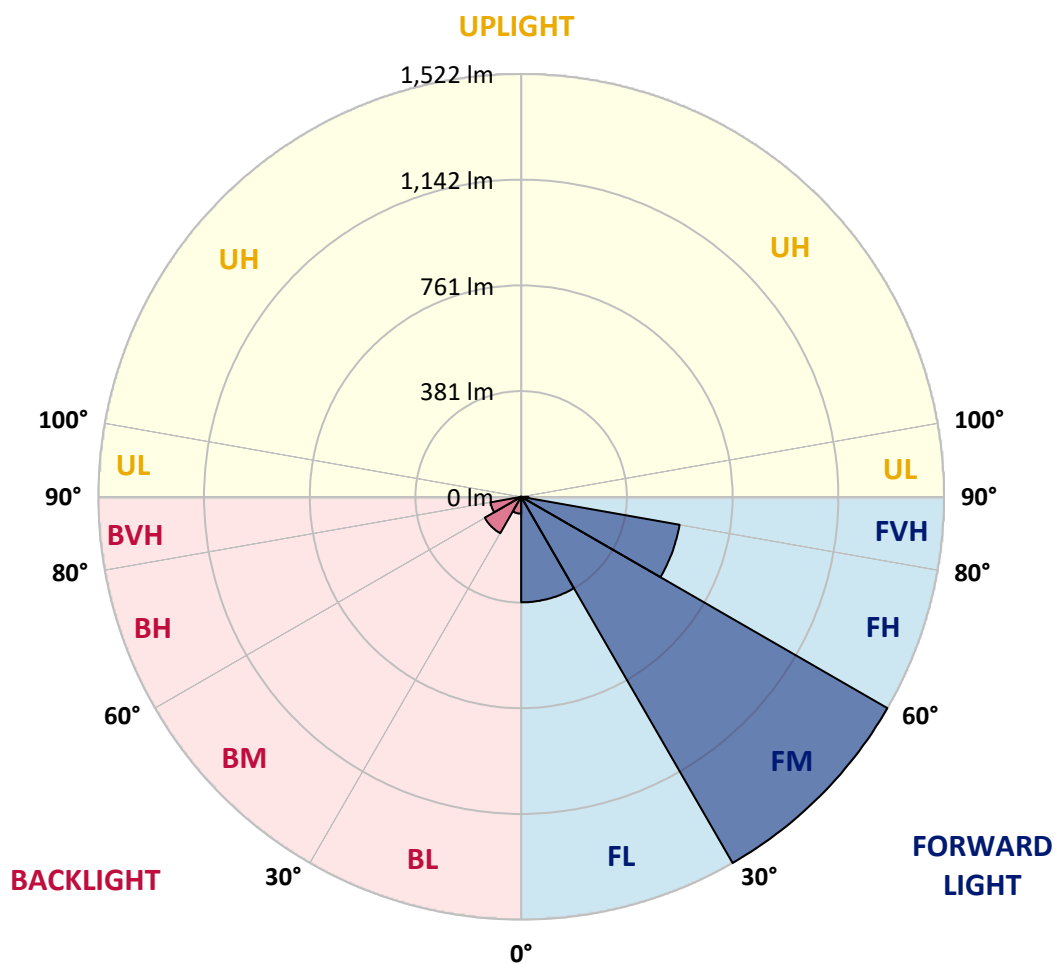
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	380.0	13.4			
FM	(30°-60°)	1522.3	53.7			
FH	(60°-80°)	579.1	20.4			G0/660
FVH	(80°-90°)	25.7	0.9			G1/100
BL	(0°-30°)	60.6	2.1	B0/110		
BM	(30°-60°)	151.5	5.3	B0/220		
BH	(60°-80°)	112.1	4.0	B1/500		G1/500
BVH	(80°-90°)	5.3	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	3°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9
2.5°	466.8	458.8	460.0	463.7	459.4	449.5	435.8	425.3	410.4	394.9	378.8
5°	561.7	564.2	567.3	564.8	551.8	539.4	512.1	488.5	455.0	421.6	389.9
7.5°	658.4	656.5	660.2	657.8	641.6	619.3	584.6	546.8	501.5	451.9	403.0
10°	758.2	754.5	758.2	749.5	734.0	703.0	660.9	615.0	556.7	485.4	421.6
12.5°	848.7	850.0	852.4	845.0	819.6	785.5	735.3	678.8	608.2	528.2	438.9
15°	933.6	936.1	935.5	930.5	907.0	867.9	812.1	745.2	664.6	571.0	463.1
17.5°	1015.5	1016.7	1017.3	1009.9	988.2	944.2	885.9	809.0	721.6	618.1	491.6
20°	1097.3	1092.4	1094.2	1085.5	1058.3	1017.3	956.6	881.6	781.8	669.5	523.2
22.5°	1175.4	1176.7	1179.8	1166.1	1135.8	1088.0	1022.9	944.8	845.0	726.0	560.4
25°	1298.2	1296.3	1304.4	1280.8	1222.5	1159.9	1094.2	1017.3	912.6	784.9	603.8
27.5°	1441.4	1439.5	1438.9	1415.3	1341.6	1251.1	1163.0	1078.1	980.8	848.7	649.7
30°	1593.3	1592.0	1584.6	1553.0	1462.5	1352.1	1240.5	1142.6	1046.5	907.0	697.4
32.5°	1717.3	1712.9	1714.8	1683.8	1588.9	1460.0	1329.8	1212.0	1109.1	973.9	748.9
35°	1802.8	1798.5	1801.0	1774.9	1694.3	1576.5	1423.4	1281.4	1174.8	1044.0	803.5
37°	1820.2	1817.7	1820.8	1807.8	1750.7	1647.2	1504.0	1351.5	1233.7	1095.5	851.8
37.5°	1817.1	1814.6	1817.7	1808.4	1756.9	1652.8	1513.3	1364.5	1248.0	1112.2	862.4
40°	1766.2	1764.4	1770.0	1776.2	1754.5	1700.5	1587.7	1442.0	1324.2	1187.8	923.7
42.5°	1681.9	1685.0	1688.1	1702.4	1698.0	1682.5	1623.7	1509.0	1392.4	1262.2	977.0
45°	1572.2	1570.3	1578.4	1597.6	1605.1	1613.1	1615.0	1553.0	1460.6	1337.2	1031.0
47.5°	1434.6	1437.0	1433.3	1464.9	1494.7	1526.3	1561.0	1561.7	1511.4	1419.7	1094.2
50°	1214.5	1203.3	1213.9	1280.2	1366.4	1426.5	1473.6	1531.9	1549.9	1504.0	1159.9
52.5°	918.1	918.8	920.6	1024.2	1164.9	1303.8	1385.0	1469.9	1558.6	1577.8	1233.7
55°	638.5	617.5	615.0	740.8	933.0	1138.9	1282.7	1386.2	1533.8	1646.6	1311.2
57.5°	394.3	384.4	393.7	484.2	704.9	921.9	1139.5	1310.0	1487.3	1698.0	1394.3
60°	267.2	269.7	274.6	327.3	492.9	708.0	953.5	1230.0	1436.4	1730.9	1471.8
62.5°	204.0	204.6	205.8	231.9	342.8	516.4	728.4	1081.2	1401.1	1714.8	1516.4
65°	164.9	166.1	166.8	179.8	239.3	383.1	523.9	866.7	1354.6	1639.8	1528.8
67.5°	137.0	135.8	137.0	148.8	183.5	288.9	377.6	628.6	1251.7	1572.2	1504.0
70°	113.5	113.5	113.5	125.9	150.0	223.8	274.0	425.3	1060.7	1522.0	1422.8
72.5°	97.3	97.3	98.0	106.6	126.5	176.7	207.1	281.5	825.2	1427.1	1254.8
75°	80.6	80.6	81.2	89.9	106.6	138.2	160.6	197.1	575.3	1228.1	1014.9
77.5°	57.7	57.7	57.0	68.8	84.9	101.7	117.8	138.9	355.2	911.9	761.9
80°	32.9	34.7	35.3	40.3	59.5	71.9	81.2	94.2	186.6	525.1	440.2
82.5°	16.1	19.2	19.2	25.4	36.0	43.4	49.0	57.0	83.1	212.6	192.8
85°	6.2	6.8	8.1	9.3	13.0	17.4	20.5	21.1	26.0	53.3	52.1
87.5°	0.6	0.6	0.6	1.2	1.9	3.1	3.1	3.1	4.3	3.7	2.5
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°	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9
2.5°	371.4	363.3	348.4	333.5	320.5	308.7	300.7	290.1	285.8	282.1	280.2
5°	373.2	358.3	329.2	300.7	276.5	255.4	235.6	226.3	212.6	209.5	205.8
7.5°	378.2	355.2	311.2	270.3	233.7	202.1	176.1	158.7	145.1	138.2	139.5
10°	386.8	355.9	294.5	238.7	192.8	154.4	125.2	111.0	102.3	98.6	99.2
12.5°	395.5	355.9	280.2	212.0	155.6	115.9	97.3	88.7	84.9	82.5	81.8
15°	409.2	359.0	266.6	182.9	122.8	94.2	81.8	76.3	73.2	71.3	71.9
17.5°	424.7	362.7	253.6	156.2	100.4	81.2	73.2	68.2	65.1	63.9	63.2
20°	442.0	370.7	239.9	132.7	86.2	72.5	65.7	61.4	57.7	57.0	57.0
22.5°	465.6	380.6	228.8	115.9	76.9	65.7	59.5	55.8	52.7	51.5	51.5
25°	494.1	394.3	221.3	103.5	70.7	60.1	53.9	50.2	47.7	46.5	46.5
27.5°	526.3	412.3	215.7	98.0	67.0	55.8	50.2	46.5	44.0	42.8	42.8
30°	559.8	432.7	212.0	97.3	65.7	52.1	46.5	42.8	40.3	39.1	39.1
32.5°	596.4	453.2	211.4	100.4	67.6	49.6	43.4	39.7	37.2	35.3	36.0
35°	632.4	475.5	211.4	105.4	71.3	49.0	40.3	36.6	34.1	32.9	32.9
37°	666.4	494.1	210.2	109.7	75.0	49.0	38.4	34.7	32.2	31.0	31.0
37.5°	673.3	498.4	209.5	110.4	75.6	49.6	37.8	34.1	31.6	31.0	30.4
40°	717.9	525.1	210.2	113.5	78.7	49.6	35.3	31.6	29.8	28.5	28.5
42.5°	759.4	549.3	212.0	115.3	80.0	49.0	32.9	29.8	27.9	26.7	26.7
45°	791.1	563.5	210.8	115.3	79.4	47.1	31.0	27.9	26.7	25.4	25.4
47.5°	829.5	583.4	209.5	115.3	76.3	44.6	29.1	26.7	25.4	24.2	24.2
50°	868.6	606.9	212.6	114.7	70.7	40.9	27.3	25.4	24.2	23.6	22.9
52.5°	914.4	631.7	216.4	113.5	65.1	36.6	26.0	24.2	22.9	21.7	21.7
55°	965.9	657.8	222.6	110.4	57.7	32.2	24.8	23.6	21.1	19.8	19.8
57.5°	1020.4	686.3	228.1	103.5	50.2	28.5	24.2	21.7	18.6	16.1	16.1
60°	1076.2	722.2	231.9	90.5	43.4	26.0	22.9	19.8	15.5	13.6	13.6
62.5°	1117.8	760.1	232.5	67.0	36.0	24.2	21.7	17.4	13.6	12.4	11.8
65°	1148.1	792.3	223.8	45.9	29.1	22.3	20.5	15.5	11.8	9.9	9.9
67.5°	1150.6	810.9	198.4	31.6	24.2	21.1	18.6	13.6	7.4	6.2	5.6
70°	1113.4	790.4	151.9	26.0	21.1	18.6	14.9	9.9	6.2	5.0	5.0
72.5°	999.4	709.2	98.0	22.9	18.6	16.1	13.0	8.7	5.6	3.7	3.7
75°	817.1	574.7	64.5	20.5	15.5	13.0	10.5	6.8	4.3	2.5	2.5
77.5°	605.1	378.8	41.5	17.4	12.4	10.5	8.1	5.0	3.1	1.9	1.2
80°	355.9	209.5	26.7	13.6	9.9	8.1	5.6	3.1	1.9	0.6	0.6
82.5°	156.8	84.9	16.7	9.3	5.6	5.0	2.5	1.2	0.6	0.0	0.0
85°	38.4	19.2	6.2	2.5	1.9	1.2	0.6	0.6	0.0	0.0	0.0
87.5°	2.5	2.5	1.9	1.9	1.2	1.2	0.6	0.6	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)