

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: P1503120

Luminaire Tested: PRV-P-30-8540-U-T4RE

Issue Date: 07/22/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503120
Test Lab: INNOVATION CENTER(G3)
Issue Date: 7/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: PRV-P-30-8540-U-T4RE
Description: PREVAIL PETITE DISCRETE LED 1 SQUARE 30W 85CRI 4000k FIXTURE w/ TYPE IV
ROADWAY ILLUMINANCE DISTRIBUTION OPTIC
Light Source: (10) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4116.1 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type IV - Medium
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

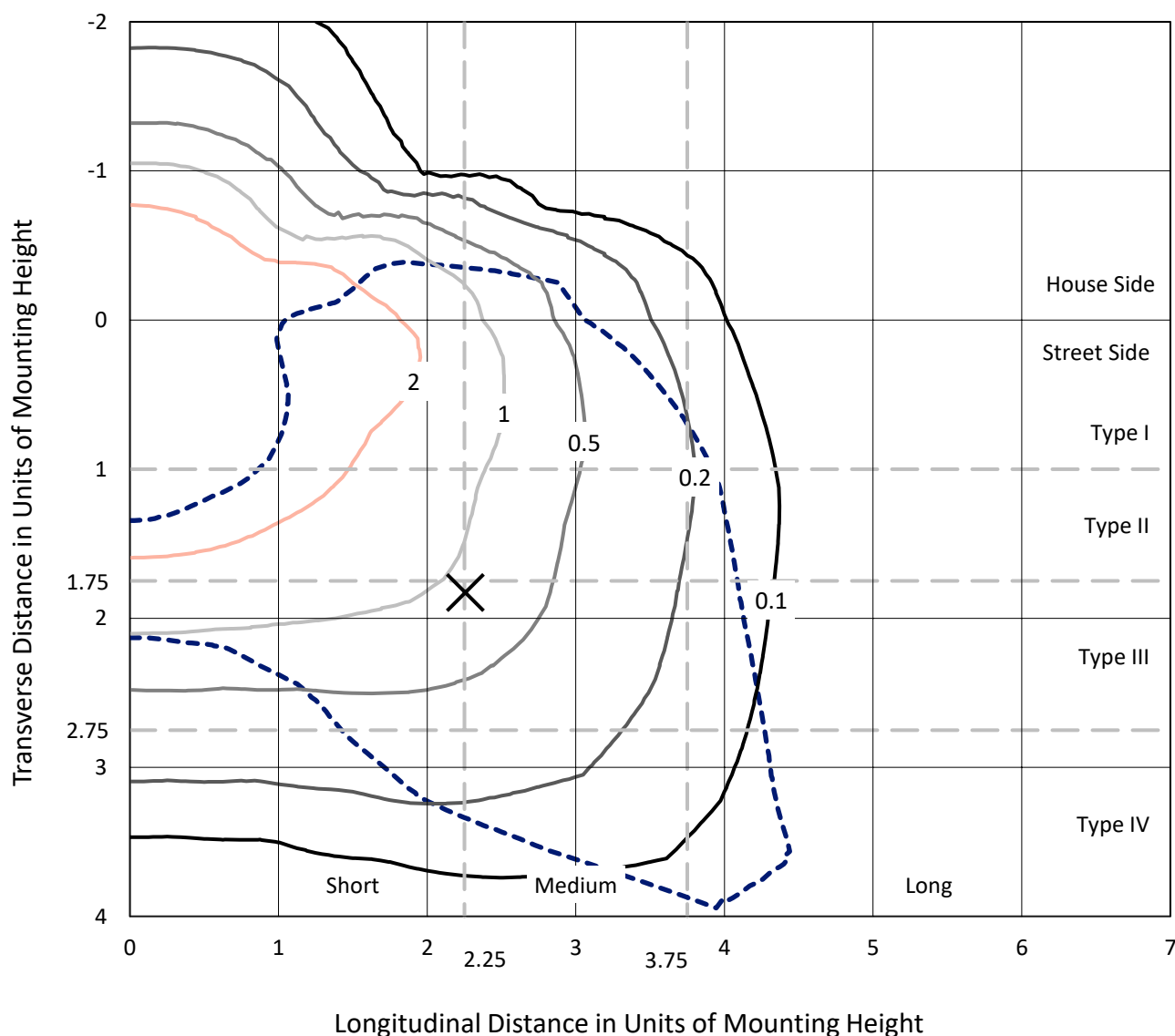
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

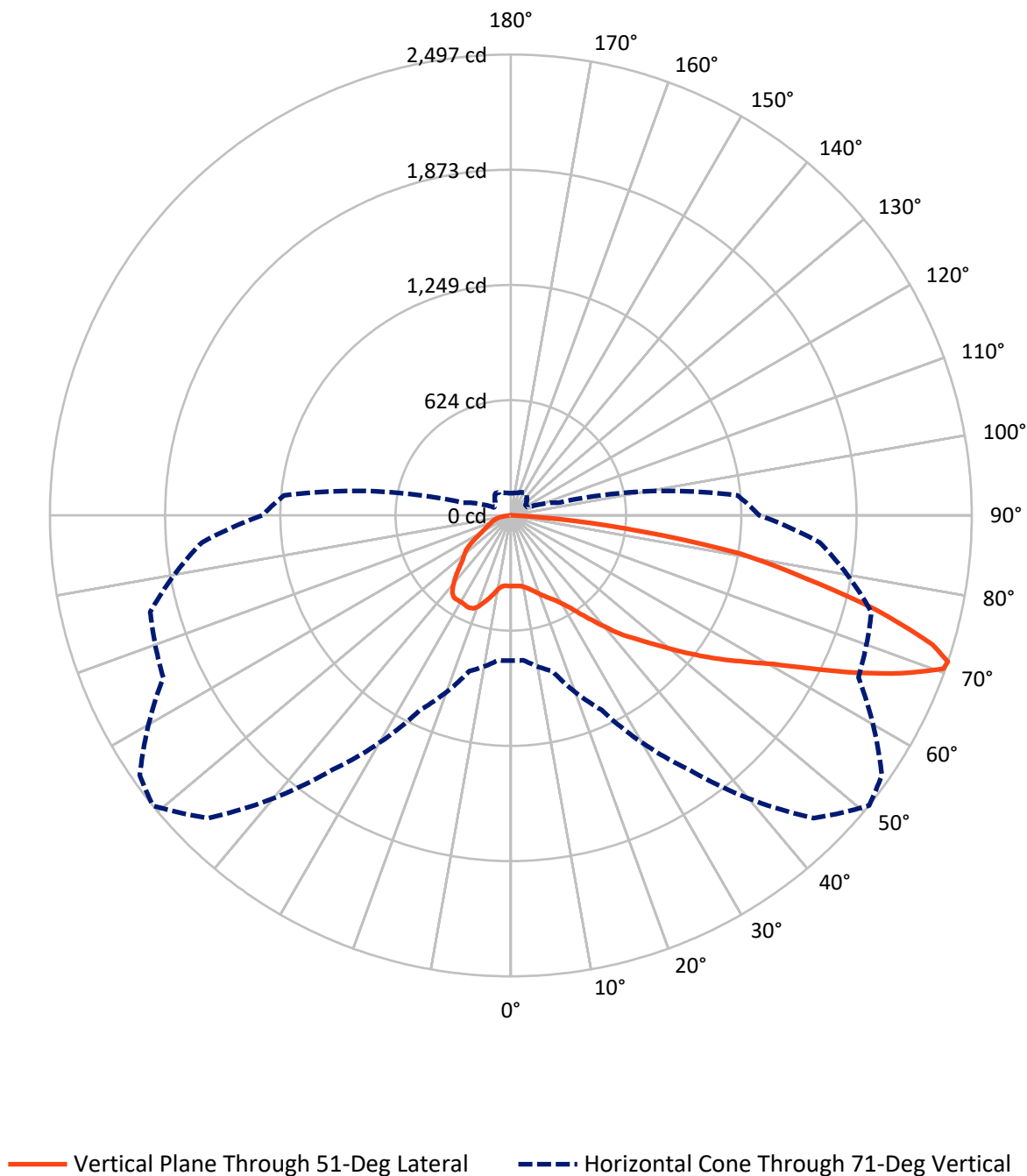


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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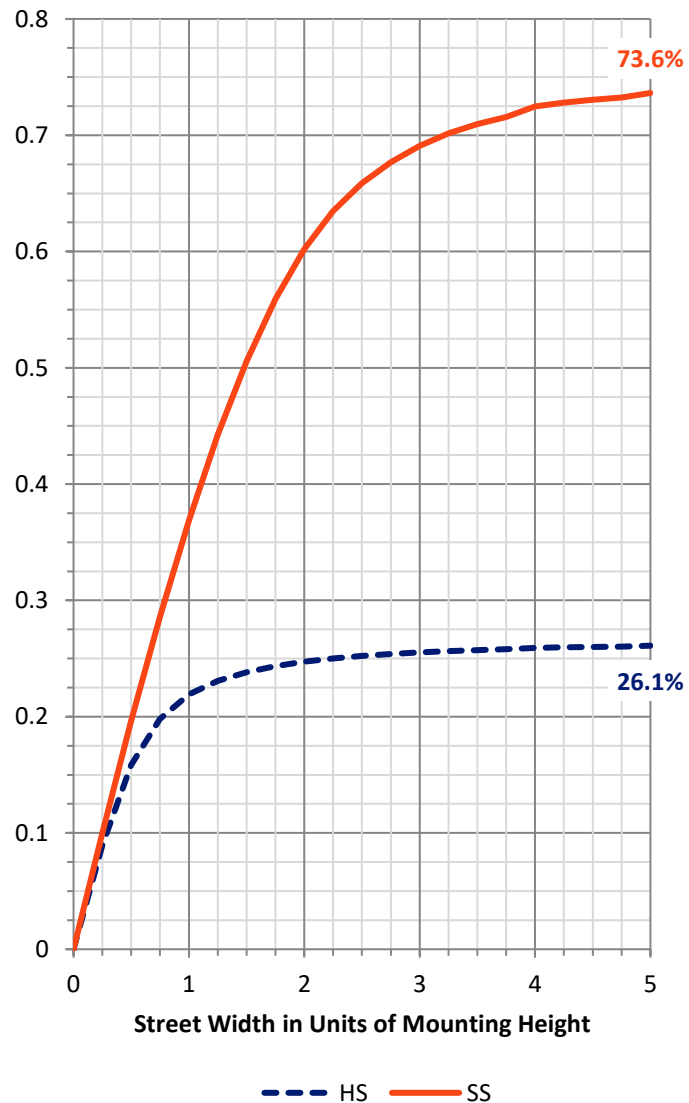
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1080.8	0.0	1080.8
	% Fixture	26.3	0.0	26.3
Street Side	Lumens	3035.3	0.0	3035.3
	% Fixture	73.7	0.0	73.7
Total	Lumens	4116.1	0.0	4116.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.3	0.9
10°-20°	127.1	3.1
20°-30°	241.7	5.9
30°-40°	385.3	9.4
40°-50°	600.2	14.6
50°-60°	841.5	20.4
60°-70°	1066.5	25.9
70°-80°	725.9	17.6
80°-90°	90.5	2.2
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°	4116.1	100.0
0°-180°	4116.1	100.0

Coefficient of Utilization



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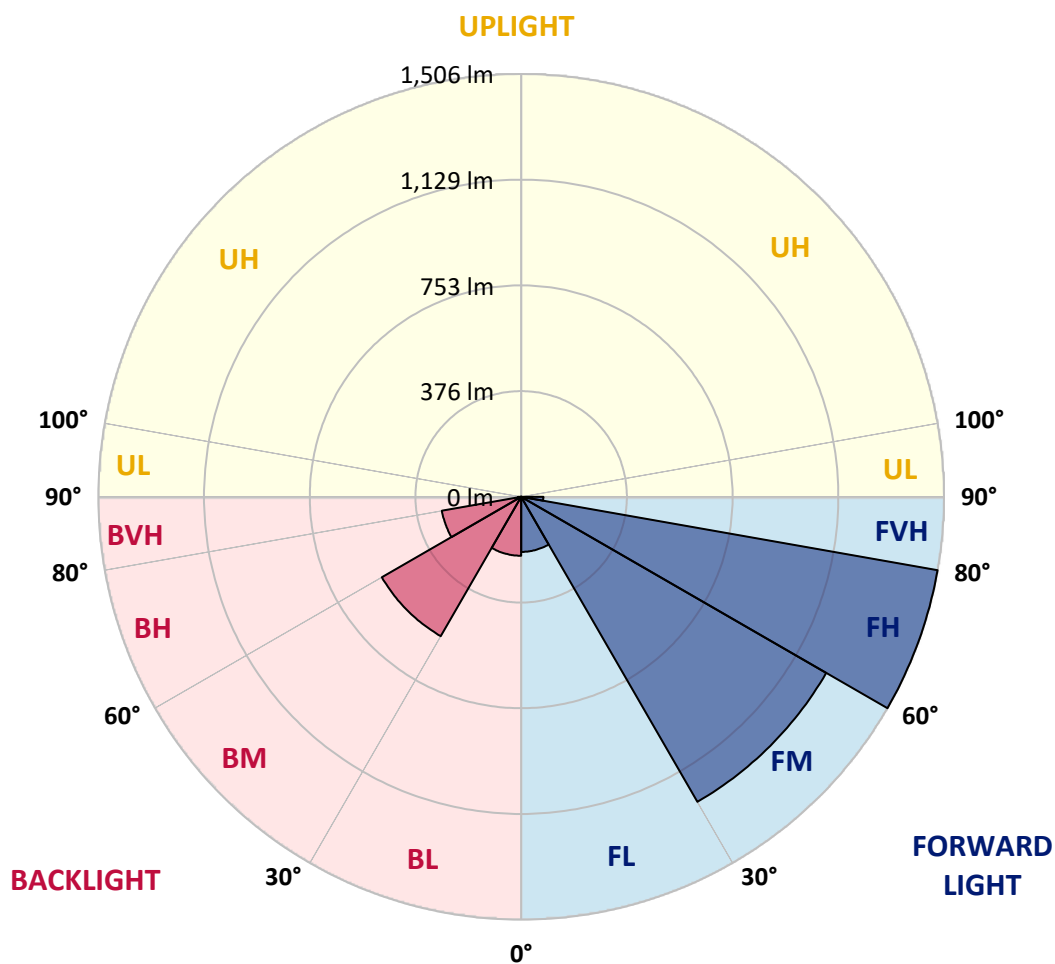
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	196.1	4.8			
FM	(30°-60°)	1254.3	30.5			
FH	(60°-80°)	1505.9	36.6			G1/1800
FVH	(80°-90°)	79.0	1.9			G1/100
BL	(0°-30°)	210.0	5.1	B1/500		
BM	(30°-60°)	572.8	13.9	B1/1000		
BH	(60°-80°)	286.5	7.0	B1/500		G1/500
BVH	(80°-90°)	11.5	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2
2.5°	383.2	382.4	383.2	385.0	385.0	383.2	383.2	383.2	382.4	383.2	384.1
5°	385.9	385.9	385.9	387.6	386.7	384.1	384.1	384.1	383.2	383.2	384.1
7.5°	396.4	395.5	395.5	393.8	391.1	388.5	386.7	386.7	385.0	385.0	385.9
10°	414.0	412.2	409.6	407.0	402.6	397.3	393.8	392.0	389.4	388.5	390.3
12.5°	429.8	429.8	426.3	422.8	417.5	410.5	404.3	402.6	397.3	395.5	399.1
15°	443.0	443.0	441.2	437.7	433.3	426.3	419.3	416.6	410.5	407.0	412.2
17.5°	450.9	450.9	450.0	450.0	448.3	441.2	436.0	433.3	425.4	421.9	429.8
20°	460.6	461.5	461.5	462.3	462.3	458.8	456.2	453.6	445.6	443.0	450.9
22.5°	475.5	475.5	475.5	478.2	477.3	477.3	476.4	473.8	468.5	464.1	473.8
25°	494.0	494.0	493.1	497.5	498.4	499.3	499.3	498.4	495.7	488.7	501.9
27.5°	524.7	525.6	523.0	522.1	522.1	525.6	523.0	526.5	524.7	522.1	539.7
30°	566.9	563.4	560.8	556.4	554.6	557.3	556.4	557.3	557.3	557.3	588.9
32.5°	616.2	613.5	610.9	603.0	597.7	597.7	599.5	600.3	600.3	605.6	644.3
35°	680.3	677.7	676.8	667.1	655.7	654.0	657.5	659.2	666.3	683.0	722.5
37.5°	748.9	748.9	747.1	740.1	724.3	719.0	723.4	730.4	747.1	791.1	829.8
40°	838.5	834.1	828.9	819.2	795.5	792.8	799.0	807.8	838.5	922.9	988.0
42.5°	929.1	927.3	925.6	920.3	880.7	872.8	882.5	891.3	944.9	1064.4	1130.4
45°	1008.2	1014.3	1004.7	997.6	954.6	943.1	956.3	973.0	1055.6	1180.5	1270.1
47.5°	1104.9	1100.5	1088.2	1078.5	1038.9	1025.8	1040.7	1066.2	1158.5	1285.9	1387.9
50°	1176.1	1176.1	1168.2	1169.0	1128.6	1125.1	1143.5	1174.3	1253.4	1397.6	1504.8
52.5°	1223.5	1221.8	1230.6	1243.8	1221.8	1228.8	1254.3	1281.5	1353.6	1490.7	1596.2
55°	1274.5	1275.4	1287.7	1312.3	1317.6	1334.3	1373.8	1398.4	1453.8	1591.8	1688.5
57.5°	1323.7	1326.4	1357.1	1387.9	1406.4	1451.2	1495.1	1518.0	1554.0	1697.3	1794.9
60°	1370.3	1373.0	1407.2	1484.6	1532.1	1603.3	1633.1	1649.8	1663.0	1831.8	1974.2
62.5°	1373.8	1374.7	1432.7	1562.8	1671.8	1791.4	1824.8	1826.5	1821.2	2050.6	2174.6
65°	1235.8	1239.4	1338.7	1560.2	1806.3	2019.9	2053.3	2034.8	2004.9	2231.7	2196.6
67.5°	983.6	1009.9	1104.9	1413.4	1839.7	2233.5	2282.7	2264.2	2136.8	2231.7	2071.7
70°	831.5	842.1	922.9	1209.5	1743.0	2334.6	2486.6	2448.8	2132.4	2118.3	1813.3
71°	786.7	787.6	873.7	1162.0	1680.6	2319.6	2497.2	2454.1	2077.9	2022.5	1679.7
72.5°	647.8	652.2	761.2	1097.0	1638.4	2226.4	2387.3	2354.8	1950.4	1846.7	1448.6
75°	329.6	338.4	462.3	840.3	1491.6	1952.2	2044.5	2056.8	1697.3	1486.3	1066.2
77.5°	117.8	122.2	181.9	451.8	1046.0	1668.3	1626.1	1593.6	1255.2	1003.8	617.9
80°	62.4	62.4	70.3	133.6	522.1	1210.3	1263.1	1089.1	723.4	482.6	267.2
82.5°	43.9	45.7	48.3	56.3	176.7	682.1	717.2	647.8	305.9	163.5	61.5
85°	22.0	22.0	24.6	27.2	36.0	200.4	255.8	213.6	81.7	40.4	22.9
87.5°	0.9	0.9	0.9	1.8	3.5	7.0	8.8	6.2	4.4	2.6	1.8
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°	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2	383.2
2.5°	383.2	383.2	383.2	383.2	383.2	382.4	382.4	381.5	382.4	384.1	383.2
5°	383.2	384.1	383.2	383.2	382.4	380.6	379.7	381.5	383.2	383.2	384.1
7.5°	385.9	386.7	385.9	385.0	386.7	387.6	389.4	393.8	396.4	399.9	399.9
10°	391.1	392.0	392.9	394.7	399.9	407.8	415.8	421.9	427.2	430.7	428.1
12.5°	399.9	403.4	407.8	414.9	428.1	437.7	443.9	453.6	461.5	460.6	465.0
15°	416.6	420.2	429.8	443.9	457.9	467.6	478.2	489.6	494.9	498.4	498.4
17.5°	436.0	442.1	459.7	476.4	487.8	499.3	508.9	515.1	516.8	517.7	518.6
20°	457.9	468.5	494.0	508.9	521.2	528.3	527.4	526.5	523.0	522.1	524.7
22.5°	487.0	502.8	528.3	540.6	545.0	541.4	532.7	525.6	520.4	519.5	520.4
25°	521.2	542.3	565.2	564.3	554.6	540.6	530.9	526.5	522.1	522.1	523.9
27.5°	561.7	582.8	597.7	575.7	551.1	537.1	534.4	534.4	527.4	524.7	526.5
30°	609.1	626.7	621.4	571.3	540.6	540.6	539.7	532.7	518.6	511.6	512.4
32.5°	663.6	671.5	633.7	556.4	539.7	544.1	530.9	508.9	488.7	480.8	482.6
35°	730.4	725.2	636.4	547.6	547.6	533.5	499.3	472.9	453.6	443.0	441.2
37.5°	821.0	784.0	633.7	553.8	545.8	496.6	455.3	432.5	412.2	398.2	399.1
40°	951.1	857.0	638.1	565.2	516.0	451.8	414.9	395.5	383.2	369.2	370.0
42.5°	1085.5	949.3	671.5	566.9	469.4	409.6	385.0	378.0	364.8	350.7	348.1
45°	1196.3	1032.8	757.7	541.4	417.5	374.4	370.0	362.1	343.7	322.6	320.8
47.5°	1294.7	1095.2	866.7	487.8	359.5	356.9	354.2	339.3	315.6	290.9	289.2
50°	1371.2	1145.3	949.3	428.9	326.1	341.9	329.6	305.0	274.2	250.5	247.9
52.5°	1433.6	1190.1	995.9	367.4	304.1	314.7	290.1	264.6	246.1	228.5	226.8
55°	1492.5	1251.7	1025.8	321.7	271.6	269.8	247.9	238.2	228.5	212.7	209.2
57.5°	1571.6	1345.7	1083.8	309.4	230.3	220.6	221.5	220.6	215.3	203.0	200.4
60°	1723.7	1515.4	1143.5	286.5	187.2	185.5	207.4	210.1	202.2	188.1	185.5
62.5°	1850.2	1657.7	1042.5	211.0	158.2	167.0	193.4	197.8	183.7	174.9	172.3
65°	1830.9	1678.0	780.5	145.9	137.1	152.9	180.2	180.2	167.0	162.6	159.1
67.5°	1688.5	1551.4	544.1	120.4	118.7	139.8	167.0	162.6	150.3	146.8	145.0
70°	1460.9	1325.5	354.2	107.2	103.7	128.3	151.2	144.2	132.7	128.3	128.3
71°	1345.7	1234.1	268.1	102.0	98.4	123.1	145.9	138.0	125.7	121.3	120.4
72.5°	1171.7	1034.6	182.8	94.9	93.2	116.0	136.2	129.2	116.0	109.0	106.4
75°	851.7	711.1	90.5	80.9	83.5	105.5	116.0	112.5	108.1	93.2	91.4
77.5°	494.9	411.4	66.8	67.7	73.0	91.4	96.7	89.7	78.2	64.2	61.5
80°	212.7	167.0	53.6	55.4	60.6	72.1	72.1	63.3	44.8	29.9	29.0
82.5°	51.9	50.1	41.3	41.3	40.4	43.1	43.9	34.3	22.0	8.8	1.8
85°	18.5	19.3	17.6	16.7	18.5	16.7	14.1	6.2	3.5	1.8	0.0
87.5°	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	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)