

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: LUMARK

Report Number: P511093

Luminaire Tested: **PRV-P-PA1A-730-U-T4W**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511093
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1A-730-U-T4W
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3960 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

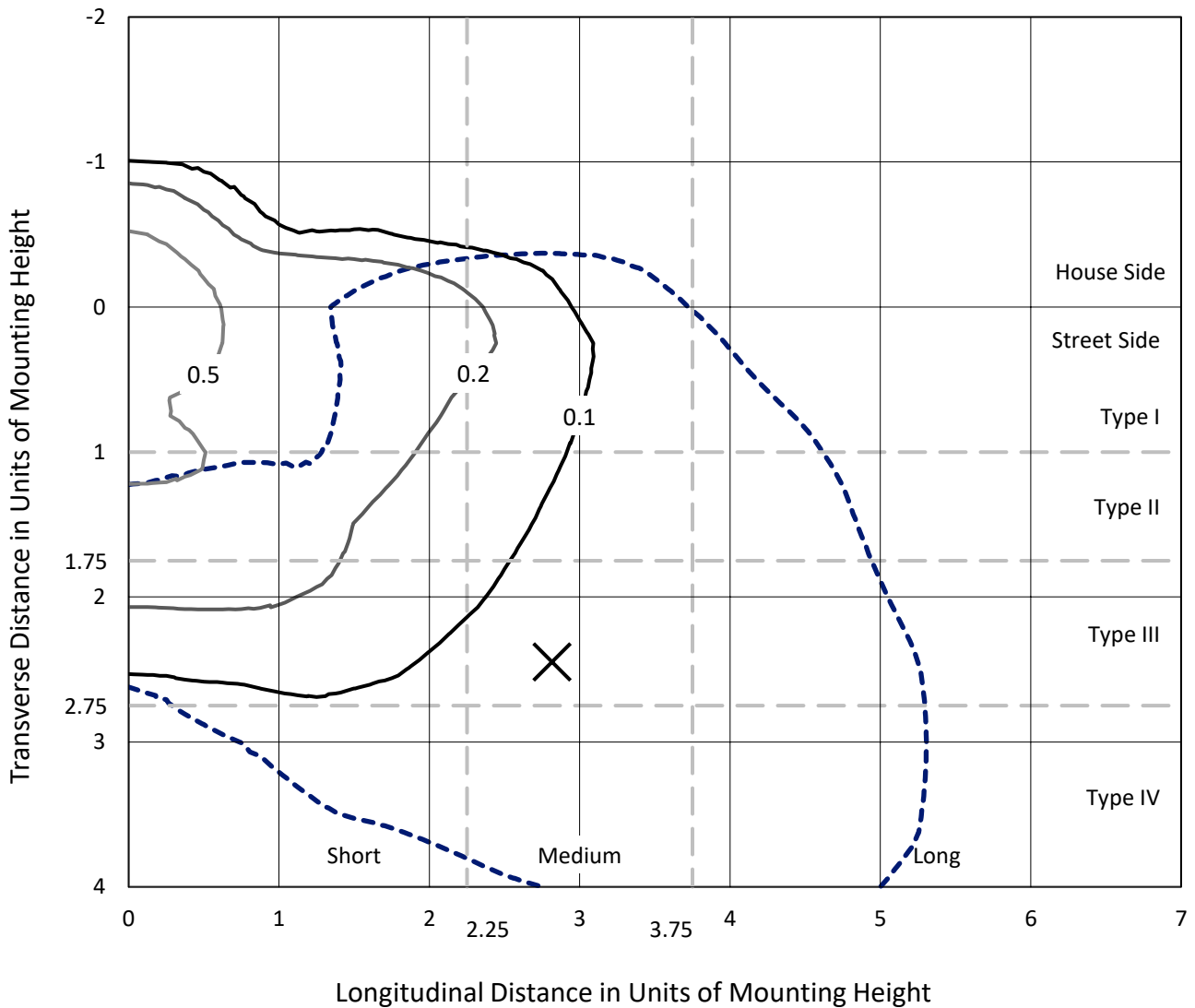
Input Watts (W): 30.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

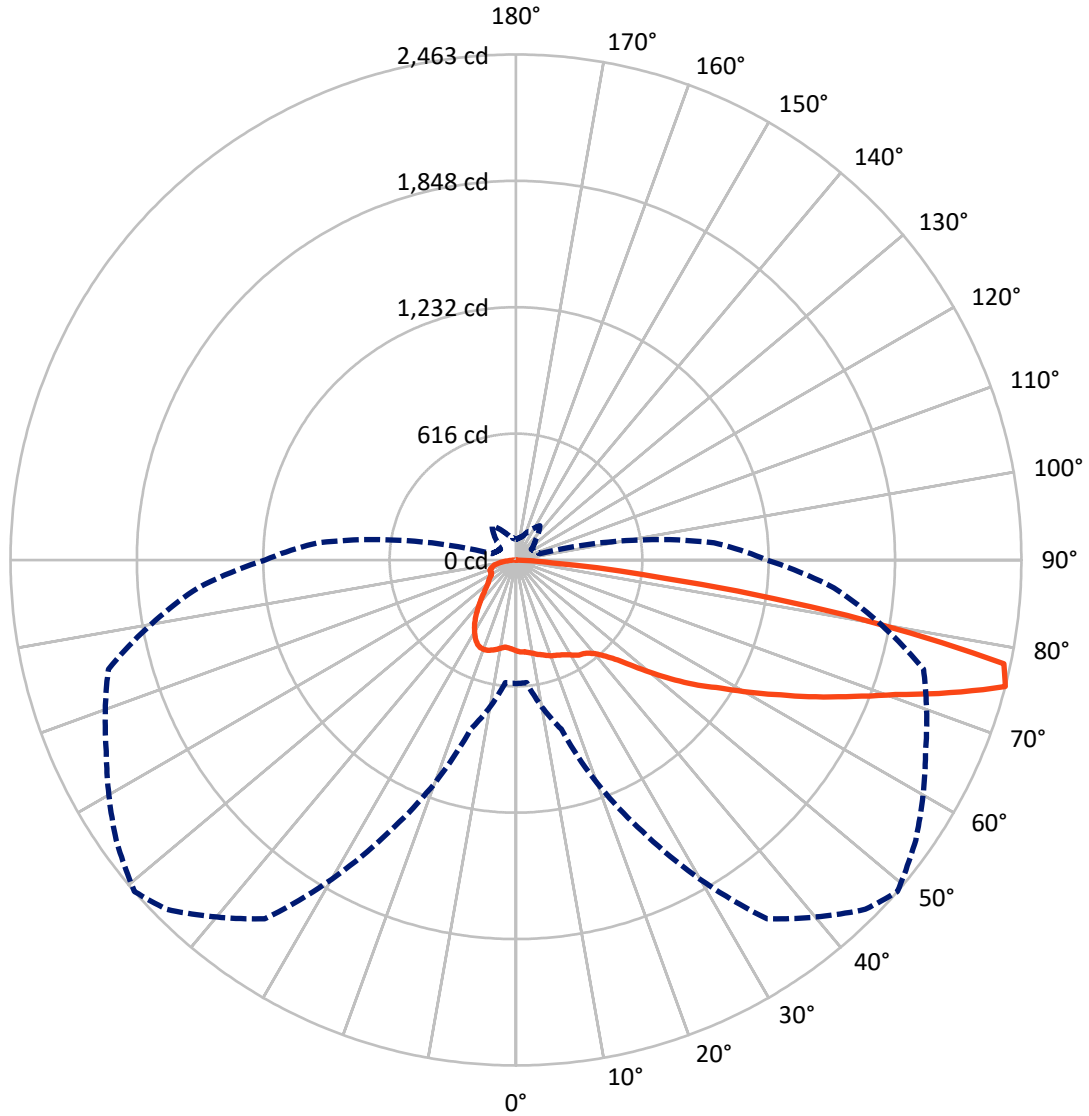
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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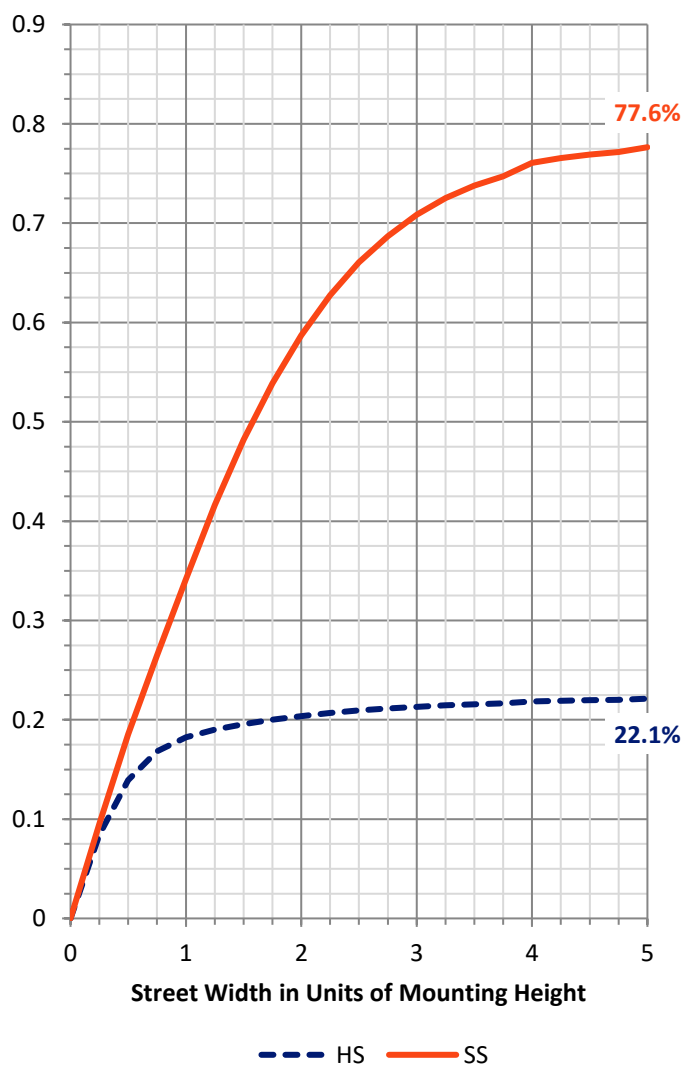
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	886.9	0.0	886.9
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	3073.1	0.0	3073.1
	% Fixture	77.6	0.0	77.6
Total	Lumens	3960.0	0.0	3960.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	1.1
10°-20°	133.6	3.4
20°-30°	224.9	5.7
30°-40°	304.8	7.7
40°-50°	447.3	11.3
50°-60°	712.8	18.0
60°-70°	1038.2	26.2
70°-80°	939.3	23.7
80°-90°	116.4	2.9
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°	3960.0	100.0
0°-180°	3960.0	100.0

Coefficient of Utilization



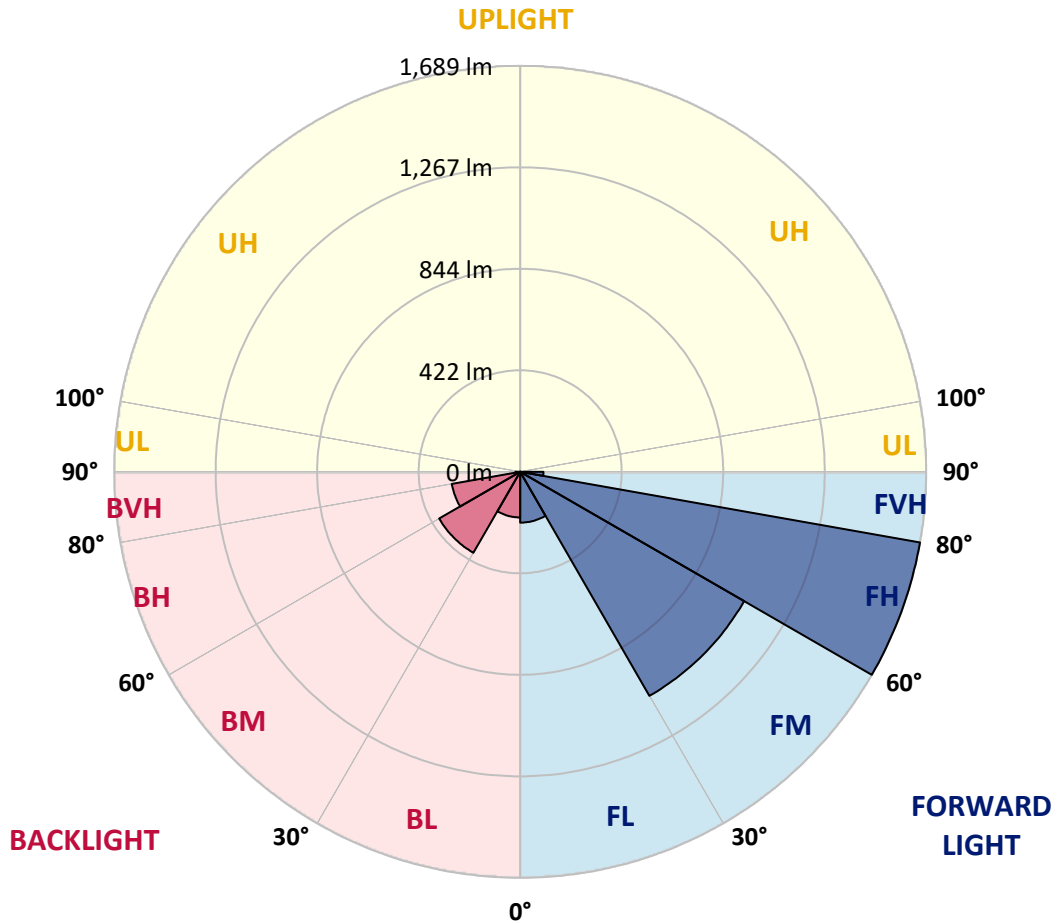
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.4	5.3			
FM (30°-60°)	1076.0	27.2			
FH (60°-80°)	1688.9	42.6			G1/1800
FVH (80°-90°)	96.8	2.4			G1/100
BL (0°-30°)	189.8	4.8	B1/500		
BM (30°-60°)	388.9	9.8	B1/1000		
BH (60°-80°)	288.6	7.3	B1/500		G1/500
BVH (80°-90°)	19.6	0.5			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°	49°	55°	65°	75°	85°
0°	443.5	443.5	443.5	443.5	443.5	443.5	443.5	443.5	443.5	443.5	443.5
2.5°	457.2	455.3	453.5	453.5	450.8	449.9	449.0	448.1	442.6	443.5	439.9
5°	471.7	469.0	467.2	465.4	459.9	451.7	449.0	448.1	439.0	433.5	430.8
7.5°	492.7	493.6	483.6	478.1	472.6	459.0	456.3	449.0	439.0	431.7	427.1
10°	514.5	511.8	503.6	493.6	482.7	467.2	462.6	456.3	448.1	438.0	432.6
12.5°	530.0	527.3	517.3	504.5	489.0	475.4	472.6	468.1	455.3	444.4	439.0
15°	539.1	541.9	530.0	511.8	494.5	484.5	479.0	476.3	465.4	453.5	443.5
17.5°	549.1	548.2	541.0	519.1	503.6	491.8	489.0	484.5	470.8	459.9	449.9
20°	553.7	557.3	551.0	526.4	508.2	497.2	498.1	494.5	481.8	468.1	457.2
22.5°	556.4	558.3	555.5	530.9	513.6	505.4	504.5	501.8	489.0	477.2	464.5
25°	555.5	556.4	561.0	531.8	519.1	512.7	512.7	509.1	499.1	488.1	475.4
27.5°	556.4	554.6	561.0	534.6	526.4	523.6	522.7	521.8	516.4	500.9	487.2
30°	552.8	558.3	560.1	538.2	537.3	536.4	537.3	538.2	531.8	515.5	500.9
32.5°	553.7	551.9	561.0	542.8	543.7	551.0	553.7	551.9	541.9	528.2	514.5
35°	569.2	573.7	575.6	551.0	550.1	554.6	561.0	559.2	556.4	546.4	538.2
37.5°	650.2	653.9	643.9	584.7	568.3	567.4	575.6	577.4	579.2	574.6	572.8
40°	776.8	772.3	770.4	657.5	600.1	593.8	601.1	610.2	612.9	615.6	620.2
42.5°	914.3	919.8	920.7	760.4	674.8	636.6	640.2	652.1	667.5	671.2	691.2
45°	1038.2	1048.2	1068.2	897.0	776.8	707.6	694.9	704.9	731.3	754.1	786.8
47.5°	1125.6	1132.0	1163.9	1040.0	905.2	783.2	774.1	774.1	811.4	842.4	897.9
50°	1213.0	1209.4	1222.1	1186.6	1082.8	896.1	869.7	862.4	911.6	955.3	1018.2
52.5°	1279.5	1285.9	1305.9	1320.5	1234.9	1019.1	971.7	952.6	1015.4	1068.2	1155.7
55°	1326.9	1329.6	1375.1	1432.5	1380.6	1128.3	1076.4	1062.8	1137.5	1197.6	1313.2
57.5°	1390.6	1410.7	1462.6	1567.3	1558.2	1231.3	1177.5	1188.5	1263.1	1328.7	1490.8
60°	1508.1	1501.7	1561.8	1703.0	1652.9	1342.4	1307.8	1314.1	1389.7	1480.8	1709.4
62.5°	1559.1	1561.8	1645.6	1875.1	1784.0	1461.7	1448.9	1463.5	1535.4	1625.6	1985.3
65°	1487.2	1507.2	1693.9	1898.8	1914.3	1616.5	1607.4	1630.1	1681.1	1799.5	2213.9
67.5°	1294.1	1317.8	1621.0	1958.0	2022.6	1776.8	1773.1	1787.7	1820.5	1938.9	2367.8
70°	1194.8	1218.5	1420.7	1983.5	2110.1	1967.1	1962.5	1956.2	1978.0	2073.6	2387.8
72.5°	1022.7	1033.6	1216.7	1877.8	2189.3	2195.7	2212.1	2162.9	2126.5	2155.6	2151.1
75°	602.0	600.1	853.3	1459.8	2134.7	2407.9	2463.4	2378.7	2203.0	2056.3	1555.5
77.5°	207.6	199.4	290.5	665.7	1550.0	2329.5	2431.5	2306.8	2002.6	1626.5	866.1
80°	58.3	62.8	93.8	222.2	722.2	1437.1	1637.4	1728.5	1305.9	683.9	258.6
82.5°	26.4	27.3	49.2	91.1	266.8	704.9	730.4	619.3	441.7	173.0	63.7
85°	7.3	7.3	15.5	32.8	91.1	163.0	178.5	156.6	91.1	58.3	21.9
87.5°	0.9	0.9	0.9	1.8	2.7	4.6	3.6	10.0	8.2	7.3	3.6
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°	443.5	443.5	443.5	443.5	443.5	443.5	443.5	443.5	443.5	443.5	443.5
2.5°	440.8	439.9	438.0	437.1	436.2	436.2	436.2	437.1	435.3	439.0	439.0
5°	429.8	428.9	426.2	428.0	428.0	431.7	433.5	435.3	438.0	439.9	440.8
7.5°	425.3	426.2	425.3	423.5	425.3	428.9	436.2	442.6	445.3	448.1	449.0
10°	430.8	430.8	428.0	431.7	432.6	436.2	441.7	449.0	457.2	459.9	459.9
12.5°	434.4	435.3	433.5	440.8	442.6	447.1	450.8	454.4	461.7	466.3	467.2
15°	439.0	438.0	440.8	447.1	450.8	454.4	457.2	455.3	462.6	466.3	466.3
17.5°	445.3	446.2	449.9	458.1	459.9	460.8	459.9	455.3	460.8	464.5	466.3
20°	451.7	453.5	459.0	465.4	465.4	461.7	458.1	453.5	456.3	460.8	464.5
22.5°	459.9	462.6	466.3	470.8	466.3	458.1	453.5	449.0	451.7	459.0	461.7
25°	467.2	469.9	469.9	468.1	456.3	449.0	447.1	447.1	448.1	456.3	457.2
27.5°	479.9	479.9	473.6	460.8	439.9	428.0	432.6	436.2	444.4	450.8	452.6
30°	493.6	490.0	477.2	449.0	416.2	404.3	409.8	419.8	430.8	439.9	445.3
32.5°	510.9	508.2	482.7	435.3	390.7	375.2	380.7	395.2	410.7	421.6	423.5
35°	536.4	530.0	488.1	417.1	357.9	343.3	346.1	362.5	378.8	390.7	397.1
37.5°	569.2	562.8	492.7	393.4	324.2	308.7	307.8	323.3	336.0	347.0	351.5
40°	625.6	610.2	497.2	363.4	291.4	273.2	273.2	278.7	283.2	290.5	294.2
42.5°	697.6	670.3	504.5	328.8	259.5	243.2	236.8	239.5	234.0	227.7	228.6
45°	795.0	747.7	519.1	293.2	230.4	215.8	210.4	203.1	192.2	180.3	181.2
47.5°	908.9	831.5	529.1	261.4	204.9	194.0	188.5	179.4	163.9	151.2	150.3
50°	1040.0	923.4	541.9	233.1	182.1	179.4	175.8	162.1	144.8	133.0	131.1
52.5°	1177.5	1012.7	554.6	212.2	166.7	171.2	164.8	150.3	131.1	119.3	118.4
55°	1333.3	1126.5	580.1	190.3	154.8	162.1	157.5	141.2	122.0	113.8	112.9
57.5°	1516.3	1246.7	619.3	173.0	144.8	150.3	149.4	134.8	122.0	116.6	116.6
60°	1708.5	1401.6	638.4	160.3	134.8	141.2	148.4	137.5	128.4	123.9	122.9
62.5°	1897.0	1548.2	581.0	149.4	127.5	138.4	153.0	149.4	135.7	134.8	133.9
65°	2038.1	1657.5	439.9	138.4	122.0	143.9	173.0	161.2	141.2	139.3	138.4
67.5°	2107.3	1713.0	294.2	130.2	117.5	150.3	191.2	166.7	138.4	133.9	129.3
70°	2021.7	1626.5	195.8	120.2	110.2	147.5	203.1	167.6	133.0	126.6	120.2
72.5°	1726.7	1403.4	149.4	111.1	102.9	142.1	205.8	163.0	127.5	114.7	110.2
75°	1223.1	968.1	120.2	100.2	91.1	134.8	204.0	155.7	118.4	104.7	101.1
77.5°	622.9	434.4	93.8	86.5	77.4	126.6	195.8	127.5	89.2	77.4	75.6
80°	173.0	129.3	72.9	68.3	60.1	104.7	150.3	102.0	71.9	63.7	60.1
82.5°	60.1	54.6	50.1	43.7	42.8	84.7	129.3	82.9	52.8	39.2	38.2
85°	21.9	20.9	23.7	23.7	24.6	43.7	67.4	37.3	22.8	16.4	15.5
87.5°	2.7	2.7	3.6	2.7	3.6	0.9	0.9	0.9	0.9	0.9	0.9
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)