

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: P511091

Luminaire Tested: **PRV-P-PA1A-730-U-T3**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-5)
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-T3
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4046 lumens
Efficiency: N/A
Efficacy: 131.8 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

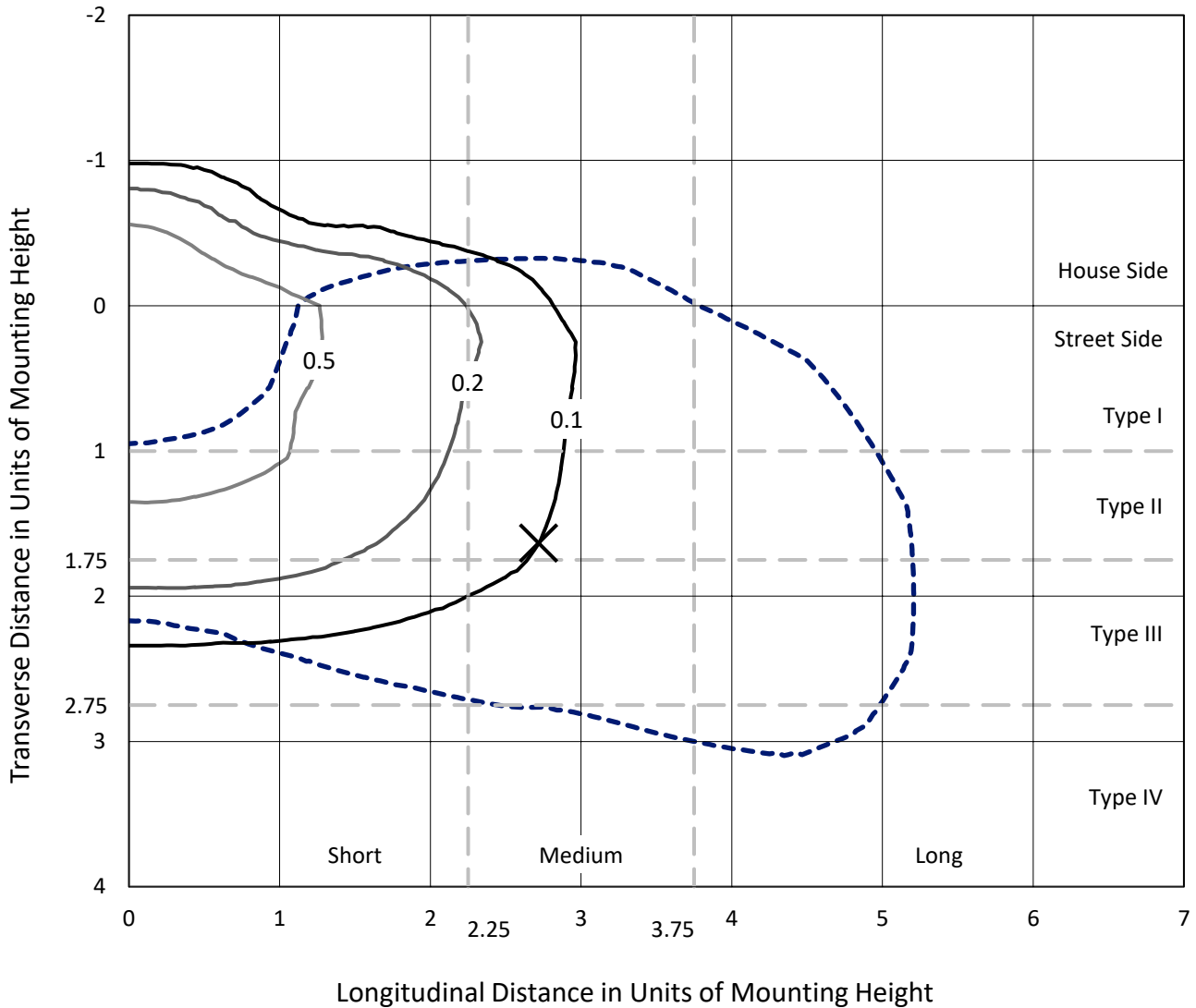
Input Watts (W): 30.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

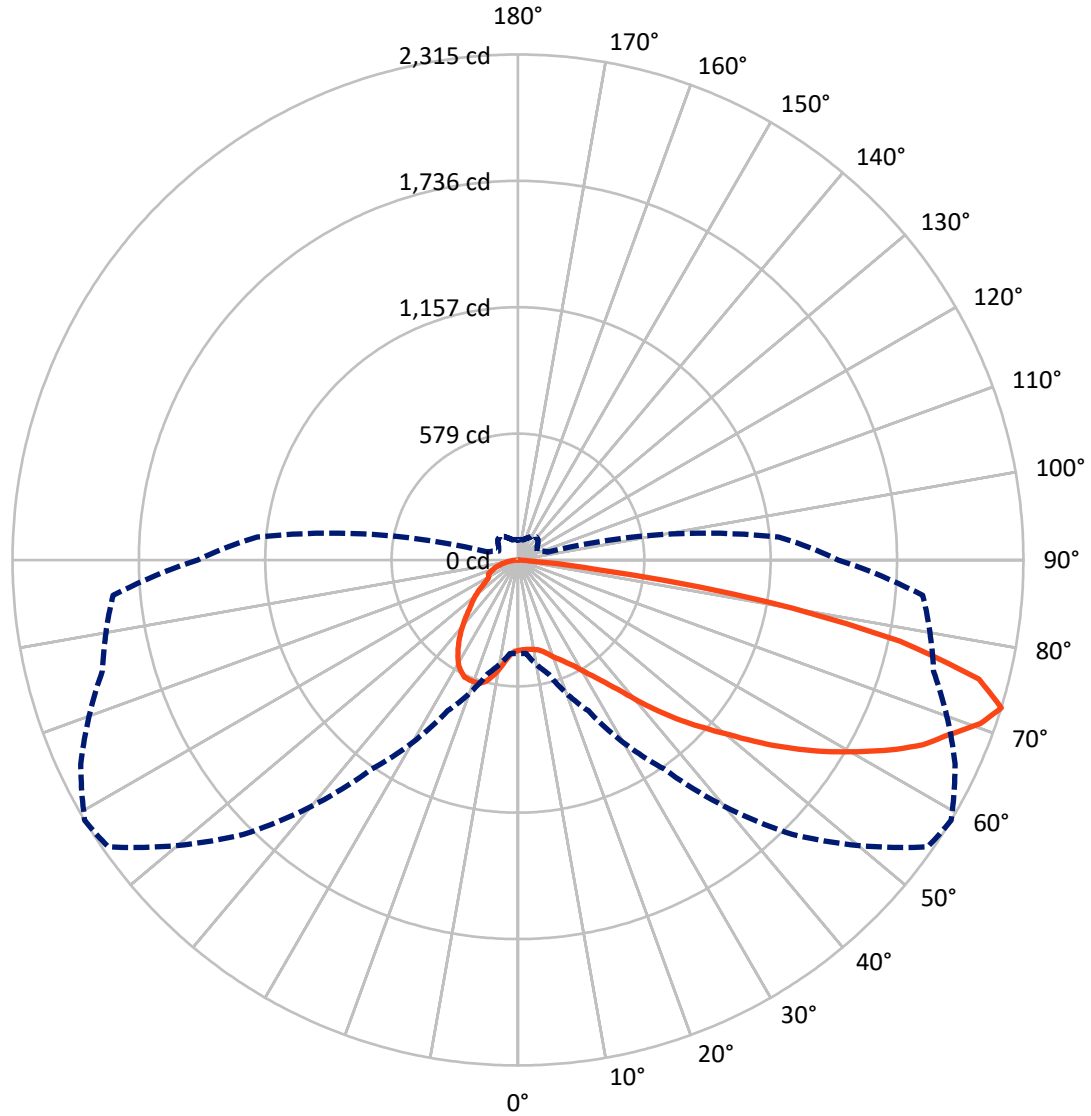
✕ Max cd
 - - - 1/2 Max cd



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 59-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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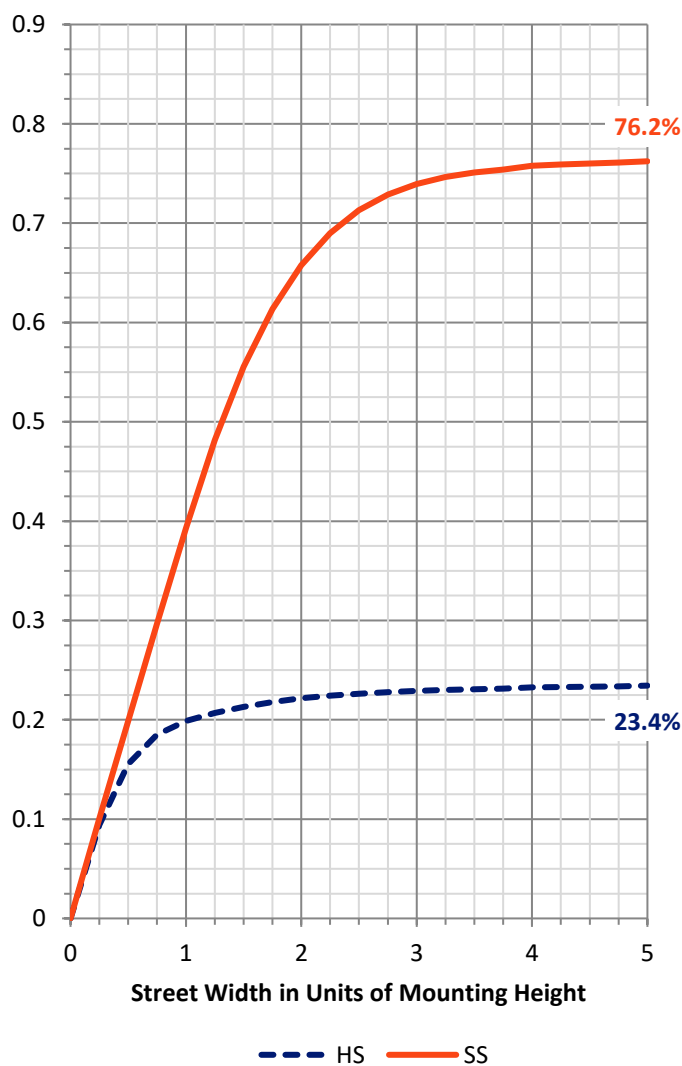
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	957.2	0.0	957.2
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	3088.8	0.0	3088.8
	% Fixture	76.3	0.0	76.3
Total	Lumens	4046.0	0.0	4046.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	1.0
10°-20°	136.5	3.4
20°-30°	252.1	6.2
30°-40°	383.6	9.5
40°-50°	578.1	14.3
50°-60°	858.9	21.2
60°-70°	1022.2	25.3
70°-80°	691.9	17.1
80°-90°	81.1	2.0
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°	4046.0	100.0
0°-180°	4046.0	100.0

Coefficient of Utilization

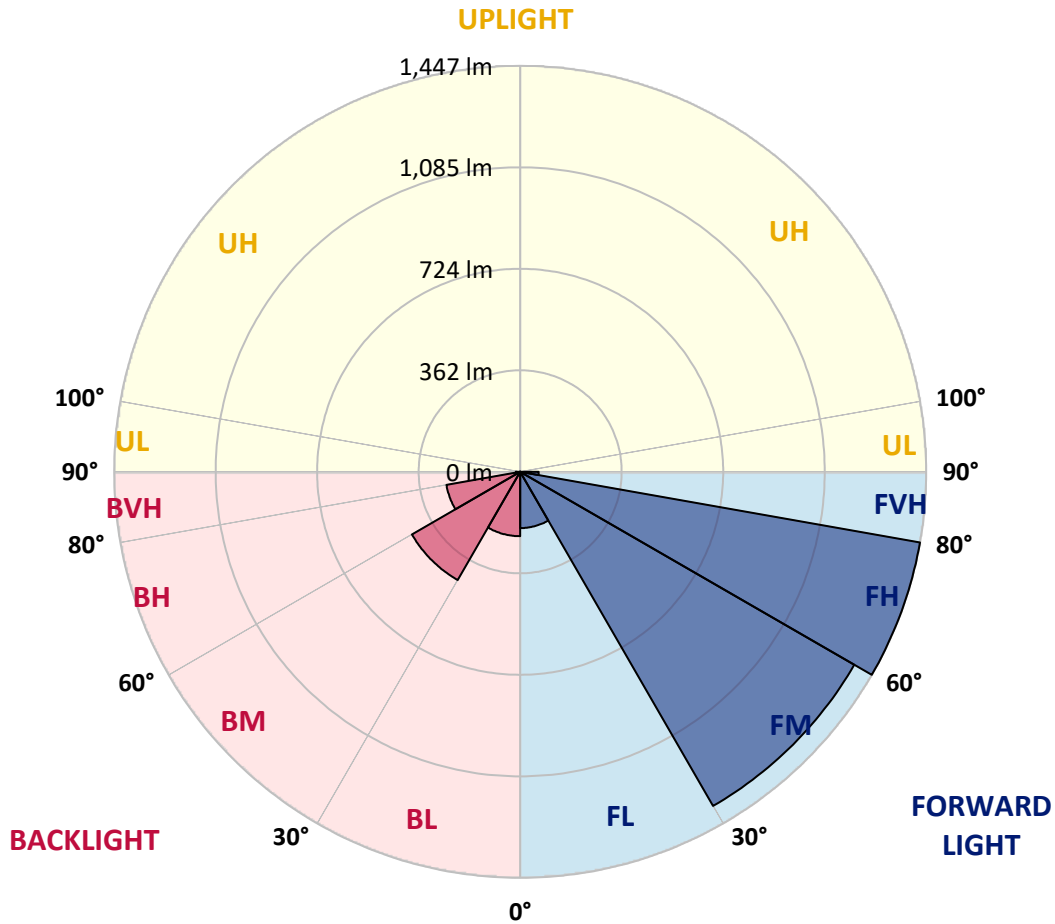


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.5	5.0			
FM (30°-60°)	1375.1	34.0			
FH (60°-80°)	1447.2	35.8			G1/1800
FVH (80°-90°)	65.9	1.6			G1/100
BL (0°-30°)	229.5	5.7	B1/500		
BM (30°-60°)	445.6	11.0	B1/1000		
BH (60°-80°)	266.9	6.6	B1/500		G1/500
BVH (80°-90°)	15.2	0.4			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°	55°	59°	65°	75°	85°
0°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3
2.5°	409.8	411.6	410.7	410.7	411.6	411.6	413.4	411.6	414.3	413.4	412.5
5°	393.4	392.5	394.3	397.0	400.7	407.1	410.7	411.6	413.4	416.2	416.2
7.5°	362.4	363.4	367.0	373.4	383.4	398.0	412.5	413.4	418.9	425.3	428.9
10°	355.2	356.1	357.9	367.0	377.0	393.4	412.5	417.1	427.1	437.1	446.2
12.5°	351.5	353.3	355.2	366.1	380.7	397.0	417.1	422.5	437.1	453.5	467.2
15°	354.2	355.2	357.9	367.0	382.5	404.3	426.2	435.3	449.9	470.8	488.1
17.5°	365.2	365.2	363.4	371.5	385.2	412.5	440.8	453.5	469.0	490.8	512.7
20°	391.6	391.6	387.9	383.4	392.5	419.8	459.0	475.4	493.6	516.3	537.3
22.5°	446.2	445.3	434.4	418.0	414.3	433.5	478.1	496.3	520.9	544.6	562.8
25°	526.4	526.4	507.2	479.9	460.8	459.0	498.1	520.9	551.9	574.6	586.5
27.5°	618.3	614.7	589.2	558.2	521.8	501.8	529.1	550.0	585.6	608.3	611.0
30°	690.3	693.9	670.2	627.4	584.6	558.2	568.2	591.0	629.3	646.6	640.2
32.5°	778.6	769.5	749.5	709.4	660.2	622.9	621.1	634.7	667.5	688.5	671.2
35°	837.8	835.1	821.4	785.9	734.0	694.8	674.8	690.3	721.2	731.3	710.3
37.5°	899.7	901.5	892.4	859.7	815.9	763.1	748.6	756.8	788.6	794.1	766.8
40°	984.4	986.2	980.8	948.0	894.3	854.2	841.4	849.6	878.8	877.9	836.9
42.5°	1091.0	1091.9	1094.6	1045.4	988.1	948.9	940.7	946.2	979.0	968.0	924.3
45°	1228.5	1222.1	1224.8	1177.5	1108.3	1065.5	1051.8	1048.2	1070.9	1070.9	1023.6
47.5°	1333.2	1337.8	1344.1	1311.3	1252.2	1215.7	1162.9	1149.2	1170.2	1176.6	1128.3
50°	1425.2	1438.8	1435.2	1443.4	1395.1	1380.6	1287.7	1258.5	1284.9	1288.6	1243.0
52.5°	1484.4	1509.9	1514.4	1545.4	1558.1	1577.3	1415.2	1389.7	1400.6	1401.5	1364.2
55°	1483.5	1504.4	1556.3	1627.3	1693.8	1743.9	1552.7	1523.5	1522.6	1522.6	1497.1
57.5°	1457.0	1470.7	1567.2	1658.3	1785.8	1865.9	1692.9	1655.6	1640.1	1641.9	1639.2
60°	1384.2	1407.9	1541.7	1666.5	1856.8	1947.9	1806.7	1782.2	1768.5	1740.3	1807.6
62.5°	1315.9	1323.2	1447.0	1645.6	1868.7	1983.4	1938.8	1916.0	1900.5	1845.0	1943.3
65°	1172.9	1177.5	1295.0	1531.7	1825.0	2006.2	2051.7	2039.0	2006.2	1941.5	2055.3
67.5°	971.7	986.2	1084.6	1357.8	1708.4	2016.2	2140.9	2131.8	2090.9	1984.3	2105.4
70°	717.6	729.4	850.6	1093.7	1507.1	1963.4	2255.7	2245.7	2161.9	2004.4	2047.2
72.5°	428.0	430.7	540.0	761.3	1169.3	1776.7	2291.2	2314.9	2209.2	1970.7	1861.4
75°	174.8	163.9	213.1	366.1	714.9	1314.1	2126.4	2181.0	2156.4	1846.8	1537.2
77.5°	82.0	81.0	108.4	188.5	302.3	676.6	1713.9	1786.7	1827.7	1588.2	1166.5
80°	46.4	47.4	61.9	95.6	173.0	181.2	1021.8	1154.7	1173.8	1013.6	671.2
82.5°	38.2	38.2	41.9	52.8	97.4	81.0	185.8	367.0	521.8	459.9	242.2
85°	14.6	15.5	18.2	21.9	45.5	31.0	40.1	55.5	92.9	129.3	21.9
87.5°	0.9	0.9	0.9	1.8	1.8	2.7	3.6	4.6	3.6	4.6	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°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3
2.5°	415.3	416.2	417.1	418.0	419.8	422.5	424.4	424.4	426.2	428.9	429.8
5°	418.0	420.7	424.4	429.8	437.1	444.4	452.6	457.1	460.8	464.4	464.4
7.5°	430.7	434.4	444.4	455.3	469.9	481.7	489.0	498.1	502.7	506.3	506.3
10°	452.6	456.2	474.5	493.6	510.0	523.6	527.3	530.0	533.6	537.3	532.7
12.5°	472.6	485.4	506.3	527.3	549.1	553.7	548.2	533.6	526.4	525.4	521.8
15°	496.3	511.8	540.9	561.9	579.2	564.6	534.6	530.9	534.6	541.8	542.8
17.5°	523.6	535.5	569.2	594.7	586.5	553.7	552.8	552.8	554.6	555.5	552.8
20°	545.5	565.5	601.9	616.5	577.4	565.5	559.1	551.9	549.1	549.1	548.2
22.5°	571.9	588.3	627.4	618.3	575.5	564.6	549.1	540.0	540.0	544.6	542.8
25°	594.7	618.3	652.9	611.0	574.6	549.1	531.8	528.2	530.0	537.3	535.5
27.5°	617.4	644.7	667.5	601.9	553.7	521.8	510.9	510.0	500.9	502.7	500.9
30°	648.4	670.2	668.4	598.3	520.9	494.5	483.6	457.1	443.5	450.8	450.8
32.5°	673.9	697.6	661.1	570.1	485.4	468.1	426.2	399.8	395.2	399.8	405.2
35°	713.0	733.1	656.6	531.8	449.0	418.0	367.0	349.7	345.1	347.9	350.6
37.5°	768.6	775.9	673.9	483.6	416.2	354.2	317.8	305.1	293.2	282.3	285.9
40°	838.7	830.5	693.9	447.1	371.5	301.4	281.4	265.9	244.1	227.7	226.8
42.5°	916.1	881.5	695.7	416.2	320.6	265.9	247.7	228.6	205.8	187.6	185.8
45°	1006.3	948.9	681.2	388.8	271.4	241.3	221.3	198.5	176.7	162.1	163.0
47.5°	1112.8	1019.0	661.1	357.9	241.3	218.6	195.8	175.8	158.5	146.6	147.5
50°	1227.6	1086.4	638.4	321.5	216.7	195.8	175.8	159.4	145.7	137.5	136.6
52.5°	1351.4	1162.9	628.4	275.9	194.9	179.4	162.1	150.3	137.5	125.7	122.9
55°	1486.2	1234.8	634.7	222.2	173.9	164.8	154.8	140.2	140.2	136.6	133.9
57.5°	1608.2	1305.0	659.3	187.6	157.5	159.4	153.0	168.5	173.0	167.6	164.8
60°	1721.1	1376.9	658.4	162.1	149.3	173.0	193.1	187.6	161.2	150.3	146.6
62.5°	1798.5	1437.9	583.7	143.9	155.7	206.7	198.5	166.6	143.0	138.4	135.7
65°	1847.7	1465.2	438.0	133.9	161.2	194.9	177.6	148.4	132.0	133.0	132.0
67.5°	1825.9	1444.3	297.8	120.2	143.0	167.6	161.2	136.6	120.2	127.5	124.8
70°	1703.8	1366.9	195.8	109.3	126.6	150.3	148.4	123.8	109.3	112.0	108.4
72.5°	1467.1	1199.3	141.2	96.5	107.5	131.1	134.8	112.0	95.6	93.8	91.1
75°	1173.8	925.2	103.8	83.8	89.2	110.2	118.4	98.4	83.8	79.2	77.4
77.5°	844.2	599.2	79.2	69.2	71.9	90.2	102.9	82.0	67.4	61.9	60.1
80°	466.3	290.5	59.2	53.7	51.9	67.4	75.6	68.3	51.9	48.3	46.4
82.5°	163.0	86.5	41.0	34.6	32.8	47.4	54.6	50.1	35.5	30.1	31.0
85°	19.1	24.6	17.3	16.4	14.6	19.1	24.6	19.1	10.9	10.0	10.0
87.5°	2.7	2.7	2.7	1.8	1.8	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)