

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: P511092

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

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-8)
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-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3022 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

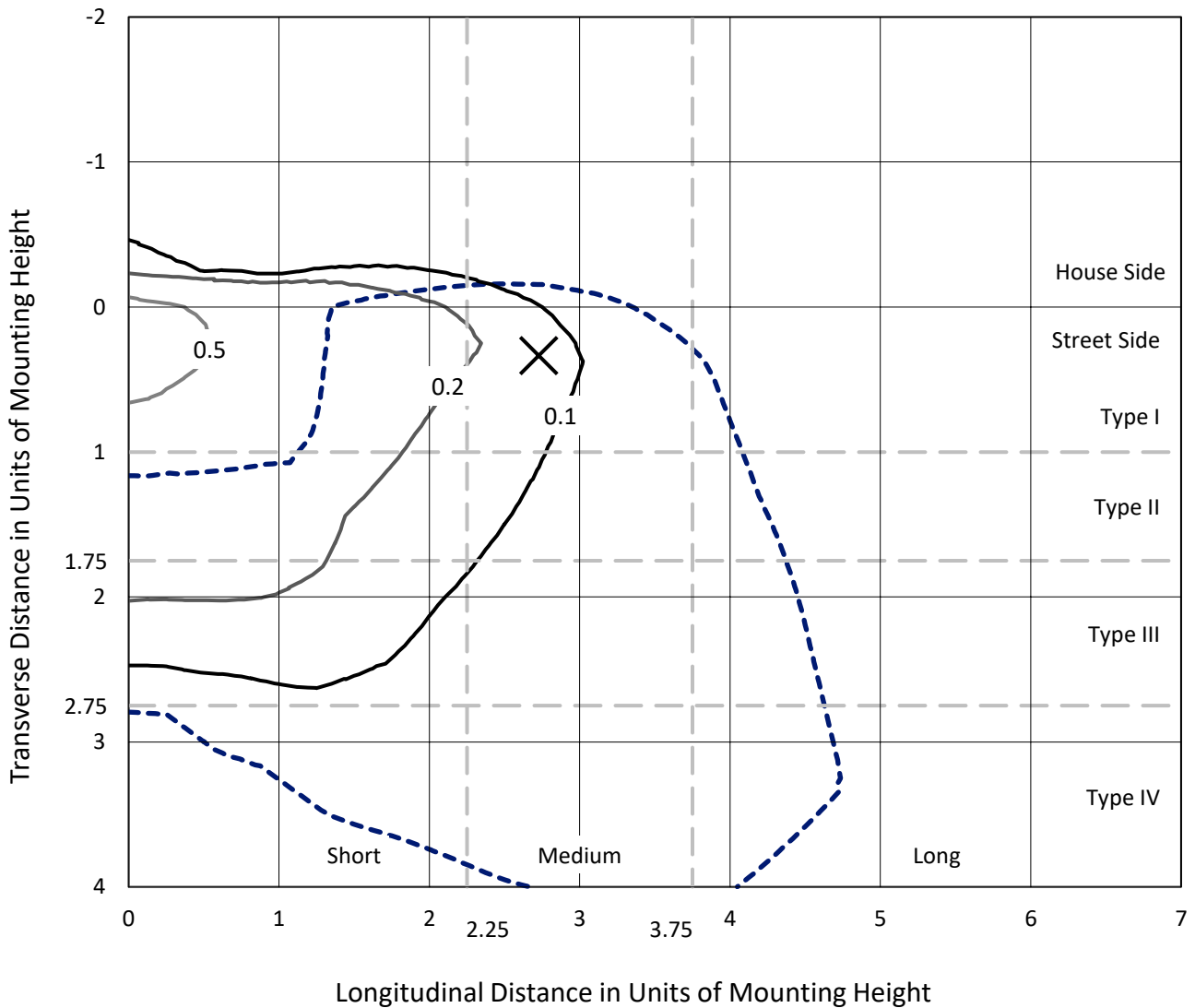
Input Watts (W): 30.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

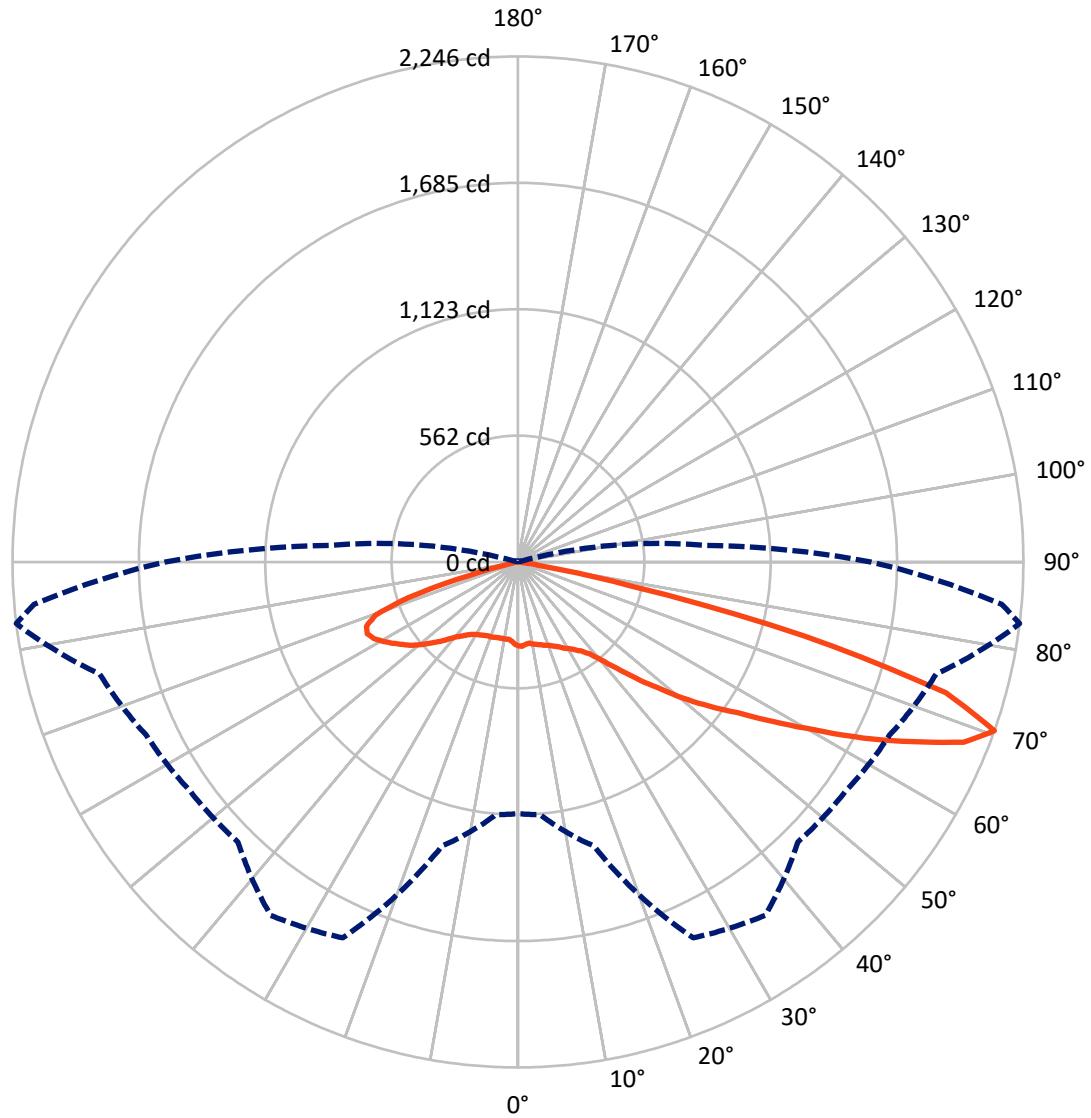
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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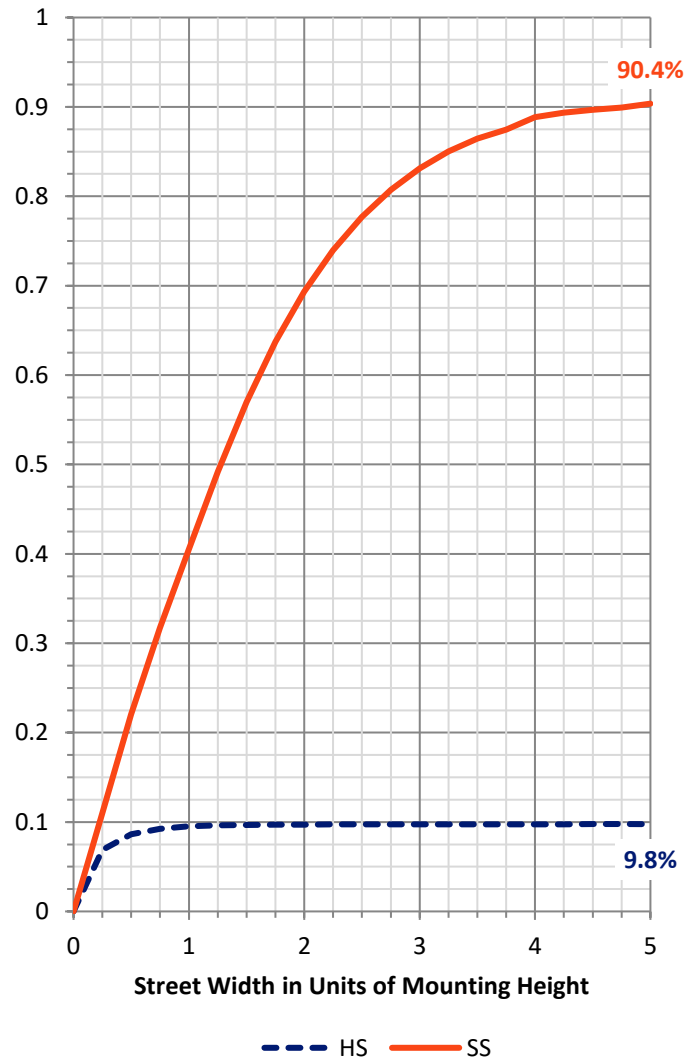
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	297.6	0.0	297.6
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	2724.4	0.0	2724.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	3022.0	0.0	3022.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.8	1.1
10°-20°	90.3	3.0
20°-30°	143.0	4.7
30°-40°	202.3	6.7
40°-50°	331.7	11.0
50°-60°	585.6	19.4
60°-70°	864.4	28.6
70°-80°	713.4	23.6
80°-90°	57.4	1.9
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°	3022.0	100.0
0°-180°	3022.0	100.0

Coefficient of Utilization

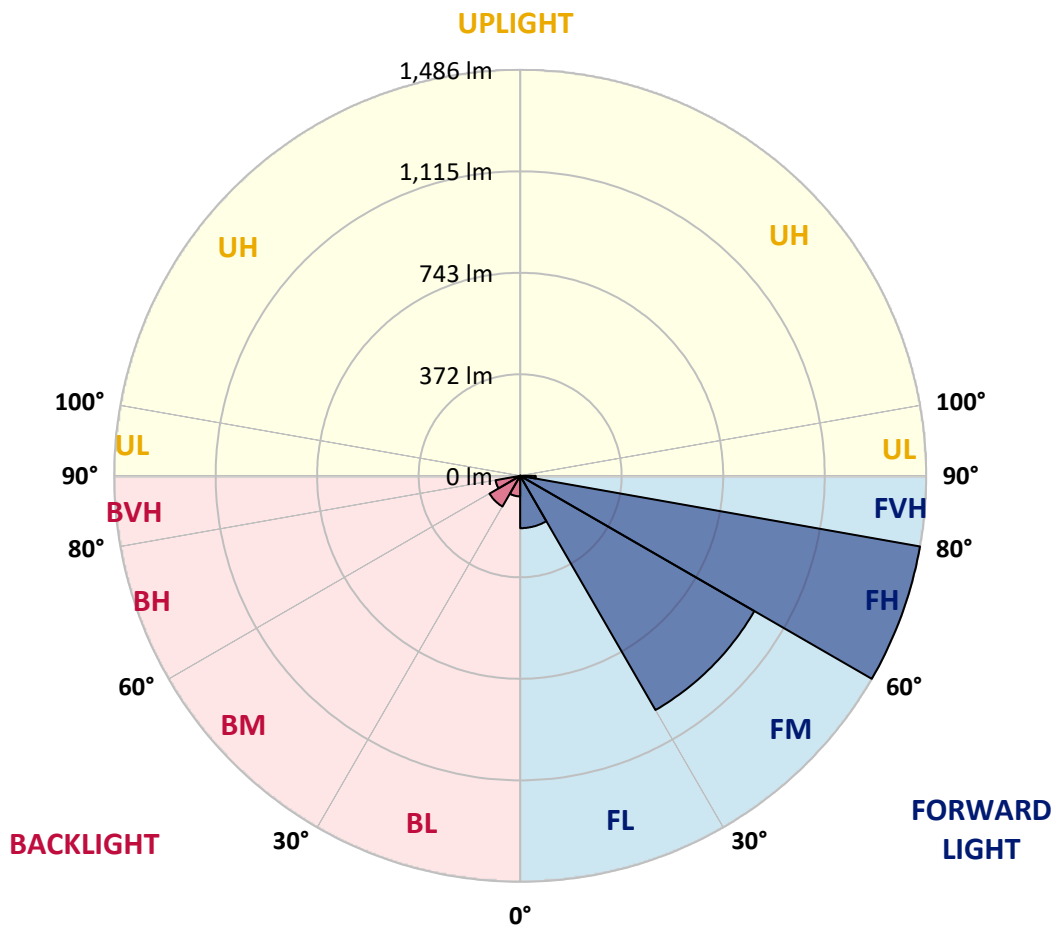


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.7	6.3			
FM (30°-60°)	989.9	32.8			
FH (60°-80°)	1486.2	49.2			G1/1800
FVH (80°-90°)	56.7	1.9			G1/100
BL (0°-30°)	75.5	2.5	B0/110		
BM (30°-60°)	129.7	4.3	B0/220		
BH (60°-80°)	91.6	3.0	B0/110		G0/110
BVH (80°-90°)	0.8	0.0			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4
2.5°	397.1	397.1	395.3	395.3	390.7	388.9	384.4	380.7	376.2	374.4	371.6
5°	419.0	418.1	415.3	412.6	402.6	397.1	389.8	380.7	372.5	367.1	363.4
7.5°	440.8	439.9	437.2	429.9	419.0	409.0	396.2	385.3	372.5	364.3	362.5
10°	464.5	466.3	457.2	447.2	430.8	417.2	405.3	395.3	380.7	370.7	366.2
12.5°	485.5	481.8	473.6	460.9	441.8	426.3	417.2	404.4	388.9	376.2	371.6
15°	499.1	496.4	489.1	472.7	449.9	437.2	426.3	412.6	397.1	381.6	377.1
17.5°	509.2	509.2	501.0	479.1	456.3	448.1	436.3	423.5	404.4	389.8	385.3
20°	514.6	517.4	510.1	488.2	464.5	457.2	448.1	434.5	414.4	395.3	391.7
22.5°	517.4	519.2	519.2	491.8	470.9	465.4	458.1	445.4	422.6	406.2	400.8
25°	517.4	521.0	521.0	492.8	478.2	472.7	469.1	457.2	438.1	417.2	412.6
27.5°	521.0	519.2	522.8	496.4	486.4	485.5	483.7	475.5	453.6	433.6	426.3
30°	519.2	518.3	521.9	500.0	496.4	501.0	501.9	493.7	465.4	446.3	442.7
32.5°	531.9	528.3	524.6	503.7	507.3	517.4	517.4	509.2	482.7	464.5	460.9
35°	557.4	538.3	534.7	515.5	516.4	526.5	532.8	528.3	502.8	486.4	483.7
37.5°	559.2	552.0	561.1	532.8	532.8	543.8	556.5	555.6	538.3	518.3	518.3
40°	599.3	593.9	613.9	562.9	557.4	572.0	587.5	597.5	585.7	572.0	570.2
42.5°	714.1	707.7	715.9	606.6	592.9	616.6	636.7	655.8	649.4	645.8	644.0
45°	858.0	857.1	862.6	691.3	642.1	670.4	690.4	719.6	725.0	737.8	737.8
47.5°	1021.0	1006.5	998.3	828.9	715.9	721.4	760.5	799.7	827.9	834.3	844.3
50°	1133.1	1132.2	1115.8	1005.6	859.8	796.1	842.5	893.5	948.2	950.0	958.2
52.5°	1226.0	1224.2	1225.1	1186.8	1024.7	889.9	935.4	1005.6	1058.4	1063.8	1071.1
55°	1268.8	1274.2	1303.4	1319.8	1207.8	1009.2	1043.8	1113.0	1175.0	1181.3	1197.7
57.5°	1335.3	1332.5	1379.0	1458.2	1398.1	1153.1	1161.3	1232.4	1288.8	1336.2	1347.1
60°	1430.9	1419.1	1465.5	1589.4	1511.1	1277.9	1272.4	1347.1	1417.2	1513.8	1524.7
62.5°	1478.3	1459.1	1537.5	1765.2	1631.3	1396.3	1402.7	1466.4	1552.1	1722.4	1771.6
65°	1398.1	1389.9	1567.5	1763.4	1773.4	1506.5	1534.7	1584.8	1700.5	1924.6	1983.8
67.5°	1192.3	1201.4	1498.3	1818.9	1854.4	1629.5	1657.7	1727.8	1828.0	2136.8	2136.8
70°	1118.5	1126.7	1307.0	1842.6	1916.4	1759.7	1777.0	1821.7	1923.7	2246.1	2158.7
72.5°	952.7	967.3	1165.0	1779.8	1996.5	1890.0	1859.0	1890.9	1907.3	1987.4	1822.6
75°	364.3	384.4	745.1	1378.1	1969.2	2033.9	1925.5	1803.4	1607.6	1314.3	1180.4
77.5°	71.0	72.9	173.1	655.8	1417.2	1918.2	1775.2	1389.9	906.3	513.7	499.1
80°	28.2	30.1	51.9	194.0	650.3	1108.5	1160.4	699.5	288.7	105.7	88.4
82.5°	11.8	11.8	24.6	68.3	227.7	282.4	401.7	223.2	76.5	26.4	22.8
85°	1.8	1.8	8.2	24.6	36.4	20.9	98.4	44.6	37.3	10.0	8.2
87.5°	0.0	0.0	0.9	0.9	1.8	1.8	2.7	3.6	5.5	1.8	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°	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4	373.4
2.5°	370.7	367.1	360.7	356.1	353.4	350.7	349.8	344.3	346.1	345.2	345.2
5°	359.8	354.3	346.1	336.1	330.6	325.2	318.8	313.3	309.7	306.9	312.4
7.5°	355.2	348.8	333.4	320.6	307.9	293.3	280.5	268.7	262.3	257.8	257.8
10°	358.0	350.7	331.5	310.6	284.2	253.2	228.6	206.8	198.6	194.0	186.7
12.5°	361.6	351.6	327.9	295.1	254.1	206.8	170.3	143.9	133.9	128.4	127.5
15°	367.1	353.4	324.3	274.2	214.0	155.8	113.9	98.4	99.3	102.9	103.8
17.5°	372.5	358.0	318.8	250.5	172.1	112.0	91.1	88.4	91.1	96.5	97.5
20°	378.0	364.3	311.5	221.3	130.2	88.4	83.8	83.8	86.5	92.0	92.9
22.5°	386.2	368.0	299.7	185.8	97.5	81.1	80.2	81.1	82.9	87.4	89.3
25°	398.0	376.2	285.1	150.3	81.1	77.4	77.4	76.5	77.4	82.0	83.8
27.5°	409.0	388.0	270.5	113.9	72.0	72.0	72.9	72.0	72.0	75.6	77.4
30°	424.4	399.9	249.6	84.7	66.5	65.6	66.5	66.5	66.5	69.2	71.0
32.5°	444.5	417.2	227.7	68.3	61.0	59.2	59.2	61.0	61.0	62.8	63.8
35°	471.8	439.9	202.2	60.1	56.5	53.7	51.9	53.7	55.6	56.5	57.4
37.5°	508.2	470.0	174.9	55.6	52.8	49.2	46.5	46.5	47.4	49.2	51.0
40°	567.4	504.6	141.2	52.8	50.1	44.6	41.0	40.1	40.1	41.0	41.9
42.5°	644.0	548.3	105.7	51.0	48.3	40.1	36.4	33.7	31.9	31.9	32.8
45°	735.0	600.2	78.3	48.3	47.4	36.4	31.9	28.2	23.7	22.8	23.7
47.5°	841.6	644.9	58.3	44.6	43.7	31.9	27.3	21.9	16.4	16.4	16.4
50°	950.9	694.1	47.4	40.1	39.2	29.1	21.9	15.5	11.8	11.8	12.8
52.5°	1061.1	741.4	42.8	36.4	35.5	26.4	16.4	10.9	9.1	10.0	10.0
55°	1165.0	778.8	41.0	33.7	31.9	22.8	12.8	8.2	7.3	8.2	8.2
57.5°	1282.4	818.8	38.3	31.0	26.4	17.3	10.0	7.3	6.4	7.3	7.3
60°	1399.9	859.8	34.6	28.2	20.9	12.8	8.2	6.4	5.5	6.4	6.4
62.5°	1510.2	898.1	29.1	23.7	16.4	10.0	7.3	5.5	4.6	5.5	6.4
65°	1596.7	921.8	20.9	18.2	12.8	9.1	6.4	4.6	3.6	4.6	5.5
67.5°	1634.9	909.9	15.5	13.7	10.0	7.3	5.5	3.6	2.7	3.6	4.6
70°	1569.4	841.6	10.9	10.0	7.3	6.4	4.6	2.7	1.8	2.7	3.6
72.5°	1272.4	637.6	9.1	8.2	5.5	5.5	4.6	2.7	1.8	1.8	1.8
75°	777.8	277.8	7.3	6.4	3.6	4.6	3.6	1.8	0.9	1.8	1.8
77.5°	285.1	61.9	5.5	3.6	2.7	3.6	2.7	1.8	0.9	0.9	0.9
80°	65.6	14.6	2.7	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9
82.5°	16.4	2.7	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85°	6.4	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
87.5°	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	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)