

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: P511090

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

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511090
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-6)
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-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3102 lumens
Efficiency: N/A
Efficacy: 101.0 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

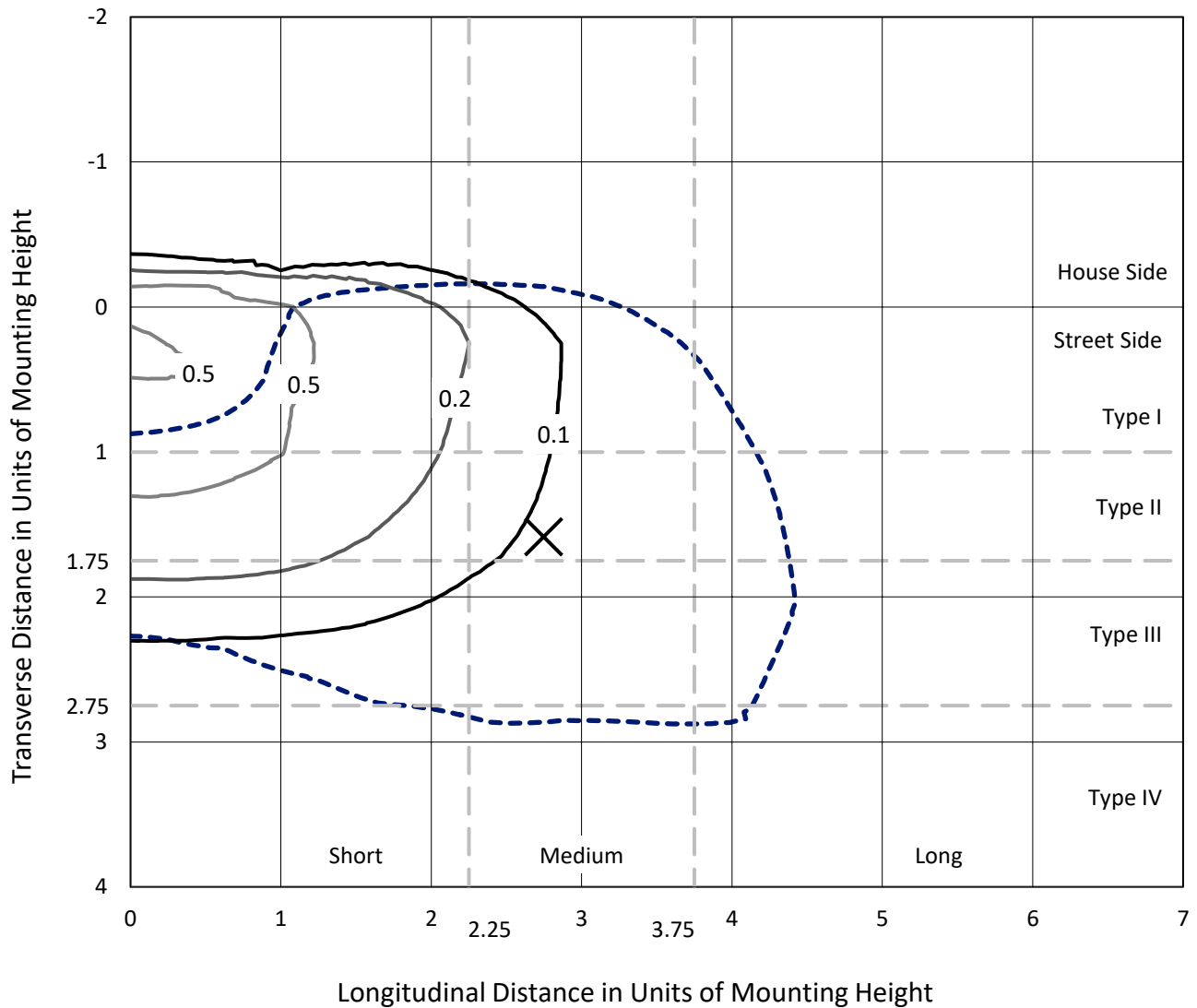
Input Watts (W): 30.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

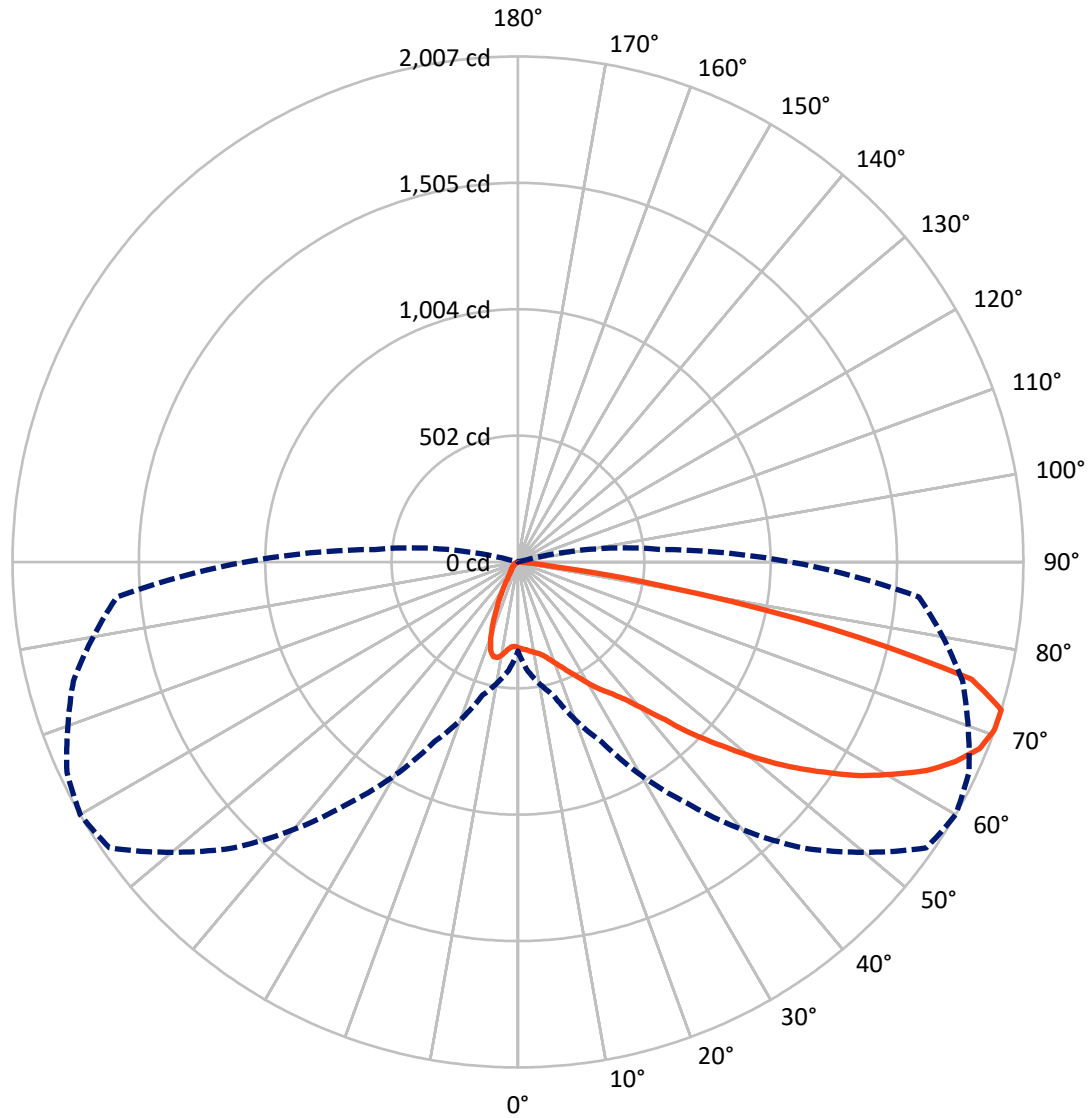
× Max cd
 - - - 1/2 Max cd



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

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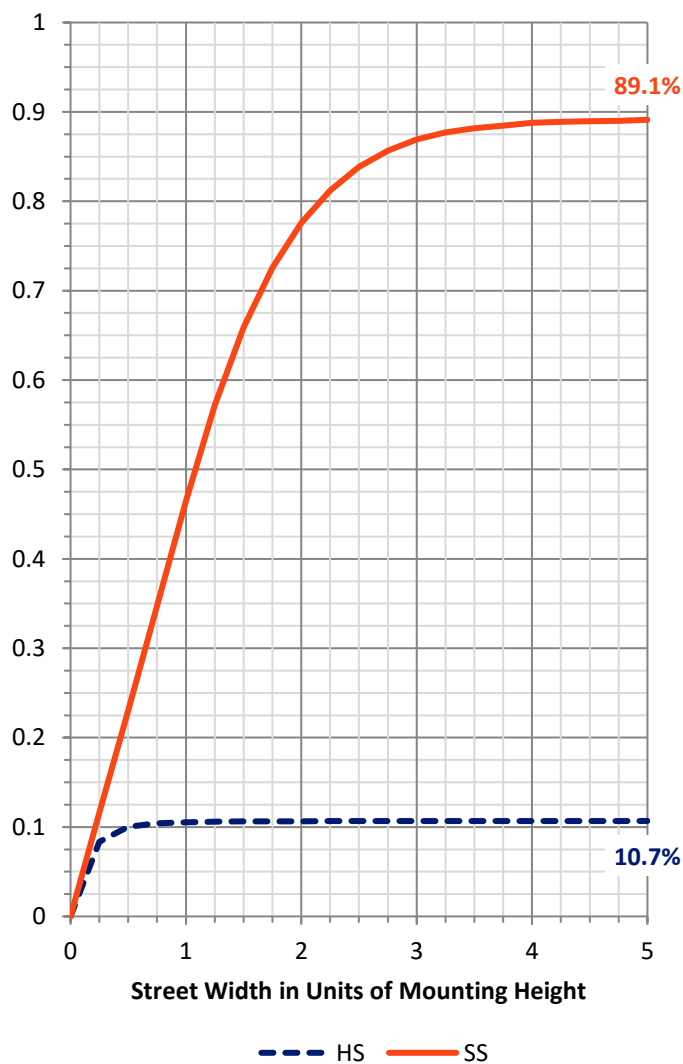
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	334.4	0.0	334.4
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	2767.6	0.0	2767.6
	% Fixture	89.2	0.0	89.2
Total	Lumens	3102.0	0.0	3102.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.0	1.1
10°-20°	90.1	2.9
20°-30°	148.8	4.8
30°-40°	262.6	8.5
40°-50°	460.8	14.9
50°-60°	722.4	23.3
60°-70°	851.4	27.4
70°-80°	508.6	16.4
80°-90°	24.3	0.8
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°	3102.0	100.0
0°-180°	3102.0	100.0

Coefficient of Utilization



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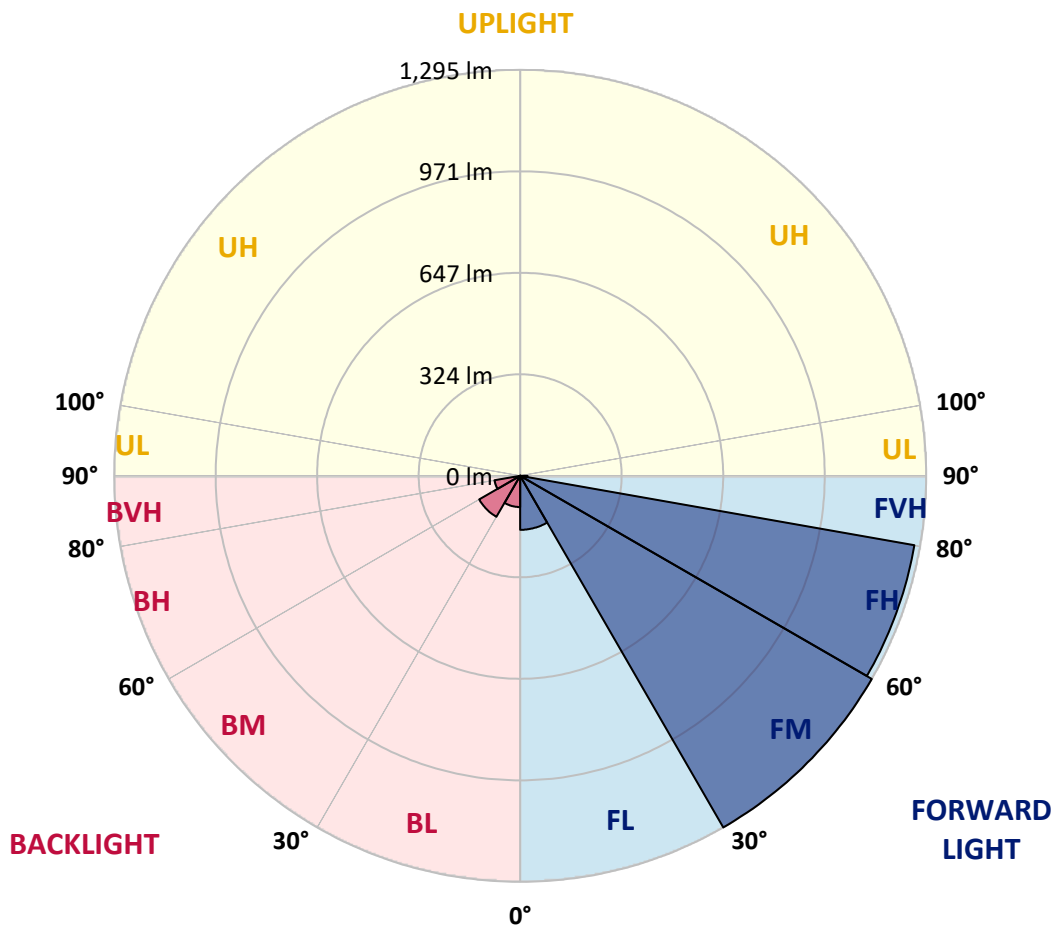
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	172.2	5.6			
FM (30°-60°)	1294.9	41.7			
FH (60°-80°)	1276.8	41.2			G1/1800
FVH (80°-90°)	23.7	0.8			G1/100
BL (0°-30°)	99.7	3.2	B0/110		
BM (30°-60°)	151.0	4.9	B0/220		
BH (60°-80°)	83.2	2.7	B0/110		G0/110
BVH (80°-90°)	0.6	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°	60°	65°	75°	85°
0°	340.6	340.6	340.6	340.6	340.6	340.6	340.6	340.6	340.6	340.6	340.6
2.5°	349.7	350.6	347.0	350.6	348.8	348.8	347.9	346.1	344.3	343.4	343.4
5°	344.3	344.3	341.5	347.9	349.7	350.6	351.5	350.6	351.5	347.0	347.0
7.5°	317.9	318.8	321.5	329.7	337.9	347.9	357.9	357.9	359.7	360.7	358.8
10°	309.7	309.7	309.7	320.6	327.9	345.2	358.8	365.2	369.8	373.4	378.0
12.5°	306.9	306.0	309.7	322.4	333.3	347.9	367.0	373.4	380.7	391.6	398.0
15°	306.9	306.9	307.8	322.4	337.9	357.9	377.1	386.2	394.4	409.8	418.9
17.5°	315.1	314.2	315.1	327.0	341.5	367.9	397.1	406.2	415.3	429.9	443.5
20°	323.3	322.4	321.5	334.2	348.8	379.8	415.3	429.0	444.4	455.4	467.2
22.5°	337.9	337.0	333.3	341.5	357.9	394.4	438.1	456.3	471.8	482.7	492.7
25°	388.0	385.2	372.5	363.4	375.2	408.9	461.8	487.3	506.4	514.6	520.0
27.5°	476.3	480.0	451.7	415.3	399.8	430.8	490.0	520.9	541.9	548.3	541.9
30°	599.3	593.8	559.2	510.0	457.2	458.1	527.3	563.8	588.3	591.1	574.7
32.5°	707.7	706.7	670.3	616.6	537.3	506.4	558.3	603.8	633.0	633.0	605.6
35°	802.4	797.8	764.1	718.6	643.0	576.5	598.4	642.1	679.4	677.6	644.8
37.5°	877.1	875.2	855.2	813.3	750.5	669.4	651.2	693.1	742.3	739.5	699.5
40°	956.3	958.1	951.7	909.8	844.3	779.6	735.9	765.0	813.3	816.9	775.0
42.5°	1056.5	1059.2	1046.5	1006.4	948.1	891.6	851.6	856.1	902.6	908.0	848.8
45°	1178.5	1177.6	1163.0	1124.8	1068.3	1013.7	983.6	976.3	998.2	1010.9	950.8
47.5°	1272.3	1274.1	1275.1	1261.4	1204.0	1165.8	1117.5	1091.1	1115.7	1123.0	1051.9
50°	1347.0	1373.4	1363.4	1377.1	1350.6	1327.9	1251.4	1221.3	1239.5	1248.6	1168.5
52.5°	1400.7	1421.7	1432.6	1473.6	1482.7	1502.7	1386.2	1349.7	1354.3	1359.7	1274.1
55°	1382.5	1395.3	1456.3	1529.1	1605.7	1670.3	1506.4	1473.6	1472.7	1474.5	1404.4
57.5°	1328.8	1347.9	1452.6	1544.6	1691.3	1786.0	1637.5	1601.1	1601.1	1573.8	1538.3
60°	1264.1	1276.0	1405.3	1537.3	1737.7	1858.8	1741.4	1711.3	1710.4	1673.0	1683.1
62.5°	1184.9	1191.3	1303.3	1491.8	1718.6	1853.4	1843.4	1824.2	1815.1	1755.9	1796.9
65°	1082.9	1083.8	1179.4	1405.3	1666.7	1843.4	1908.9	1909.8	1903.5	1830.6	1896.2
67.5°	918.0	936.3	1018.2	1259.6	1572.0	1821.5	1949.9	1977.2	1967.2	1877.1	1914.4
70°	704.0	726.8	835.2	1045.5	1426.2	1765.9	1986.3	2005.5	1990.0	1883.4	1847.9
72.5°	354.3	432.6	548.3	787.8	1168.5	1607.5	1980.0	2007.3	1976.3	1827.9	1598.4
75°	58.3	64.7	147.5	363.4	733.2	1288.7	1834.3	1860.7	1812.4	1524.6	1034.6
77.5°	36.4	39.2	60.1	153.0	249.5	623.9	1314.2	1271.4	1269.6	912.6	440.8
80°	21.9	22.8	31.9	69.2	133.9	132.1	637.5	607.5	546.5	235.0	90.2
82.5°	12.8	13.7	23.7	35.5	73.8	44.6	97.5	126.6	135.7	47.4	18.2
85°	0.9	0.9	7.3	16.4	17.3	10.0	11.8	20.0	18.2	22.8	8.2
87.5°	0.0	0.0	0.0	0.9	1.8	1.8	2.7	2.7	2.7	3.6	2.7
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°	340.6	340.6	340.6	340.6	340.6	340.6	340.6	340.6	340.6	340.6	340.6
2.5°	340.6	342.4	337.9	337.0	333.3	334.2	335.2	334.2	334.2	335.2	336.1
5°	345.2	344.3	340.6	339.7	337.0	338.8	339.7	340.6	342.4	341.5	341.5
7.5°	356.1	357.0	353.4	353.4	351.5	351.5	349.7	347.9	347.0	345.2	348.8
10°	377.1	378.0	375.2	374.3	370.7	362.5	346.1	326.0	305.1	296.9	299.6
12.5°	396.2	401.6	398.0	395.3	380.7	346.1	287.8	236.8	206.7	188.5	190.3
15°	418.9	423.5	421.7	411.7	366.1	277.8	194.0	138.4	116.6	104.7	108.4
17.5°	442.6	447.2	443.5	418.9	318.8	190.3	112.9	84.7	79.2	76.5	77.4
20°	468.1	472.7	464.5	401.6	243.2	119.3	76.5	72.9	71.9	71.9	71.9
22.5°	493.6	498.2	485.4	362.5	167.6	78.3	70.1	68.3	67.4	65.6	66.5
25°	515.5	525.5	500.0	305.1	102.0	68.3	65.6	63.8	61.0	59.2	60.1
27.5°	541.0	550.1	495.4	235.0	71.9	63.8	60.1	56.5	53.7	51.9	51.9
30°	570.1	579.2	473.6	153.9	62.8	58.3	53.7	49.2	44.6	42.8	42.8
32.5°	600.2	607.5	438.1	93.8	56.5	51.9	46.4	40.1	35.5	32.8	32.8
35°	639.3	640.3	395.3	62.8	50.1	44.6	38.3	31.9	26.4	24.6	24.6
37.5°	691.3	684.9	342.4	51.9	43.7	37.3	30.1	23.7	20.0	18.2	19.1
40°	761.4	732.2	280.5	45.5	38.3	31.0	22.8	17.3	14.6	14.6	14.6
42.5°	835.2	780.5	212.2	41.9	33.7	24.6	16.4	12.8	11.8	11.8	11.8
45°	922.6	827.0	138.4	37.3	28.2	19.1	11.8	9.1	9.1	10.0	10.0
47.5°	1010.0	867.9	82.9	32.8	23.7	14.6	9.1	7.3	7.3	8.2	9.1
50°	1108.4	903.5	55.6	29.1	20.0	10.9	7.3	6.4	6.4	8.2	8.2
52.5°	1207.7	925.3	43.7	24.6	15.5	9.1	6.4	5.5	5.5	7.3	7.3
55°	1291.4	943.5	37.3	20.9	11.8	7.3	6.4	5.5	5.5	6.4	7.3
57.5°	1371.6	949.9	31.9	17.3	9.1	7.3	5.5	4.6	4.6	6.4	6.4
60°	1435.3	945.4	27.3	13.7	8.2	6.4	4.6	3.6	3.6	5.5	6.4
62.5°	1479.1	929.9	20.9	10.0	7.3	6.4	4.6	2.7	3.6	4.6	5.5
65°	1501.8	897.1	15.5	8.2	6.4	5.5	3.6	2.7	2.7	3.6	3.6
67.5°	1459.9	845.2	11.8	6.4	5.5	5.5	3.6	1.8	1.8	2.7	2.7
70°	1342.4	767.8	10.0	5.5	4.6	4.6	2.7	1.8	0.9	1.8	1.8
72.5°	1082.9	570.1	8.2	4.6	3.6	3.6	2.7	0.9	0.9	0.9	1.8
75°	662.1	186.7	5.5	3.6	2.7	2.7	1.8	0.9	0.9	0.9	0.9
77.5°	258.7	46.4	3.6	1.8	1.8	1.8	0.9	0.9	0.0	0.9	0.9
80°	48.3	9.1	1.8	1.8	0.9	0.9	0.9	0.0	0.0	0.9	0.9
82.5°	11.8	2.7	1.8	1.8	0.9	0.9	0.9	0.0	0.0	0.0	0.9
85°	3.6	1.8	1.8	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	1.8	1.8	0.9	0.9	0.9	0.0	0.0	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)