

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: P511089

Luminaire Tested: **PRV-P-PA1A-730-U-T2U**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-3)
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-T2U
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4095 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

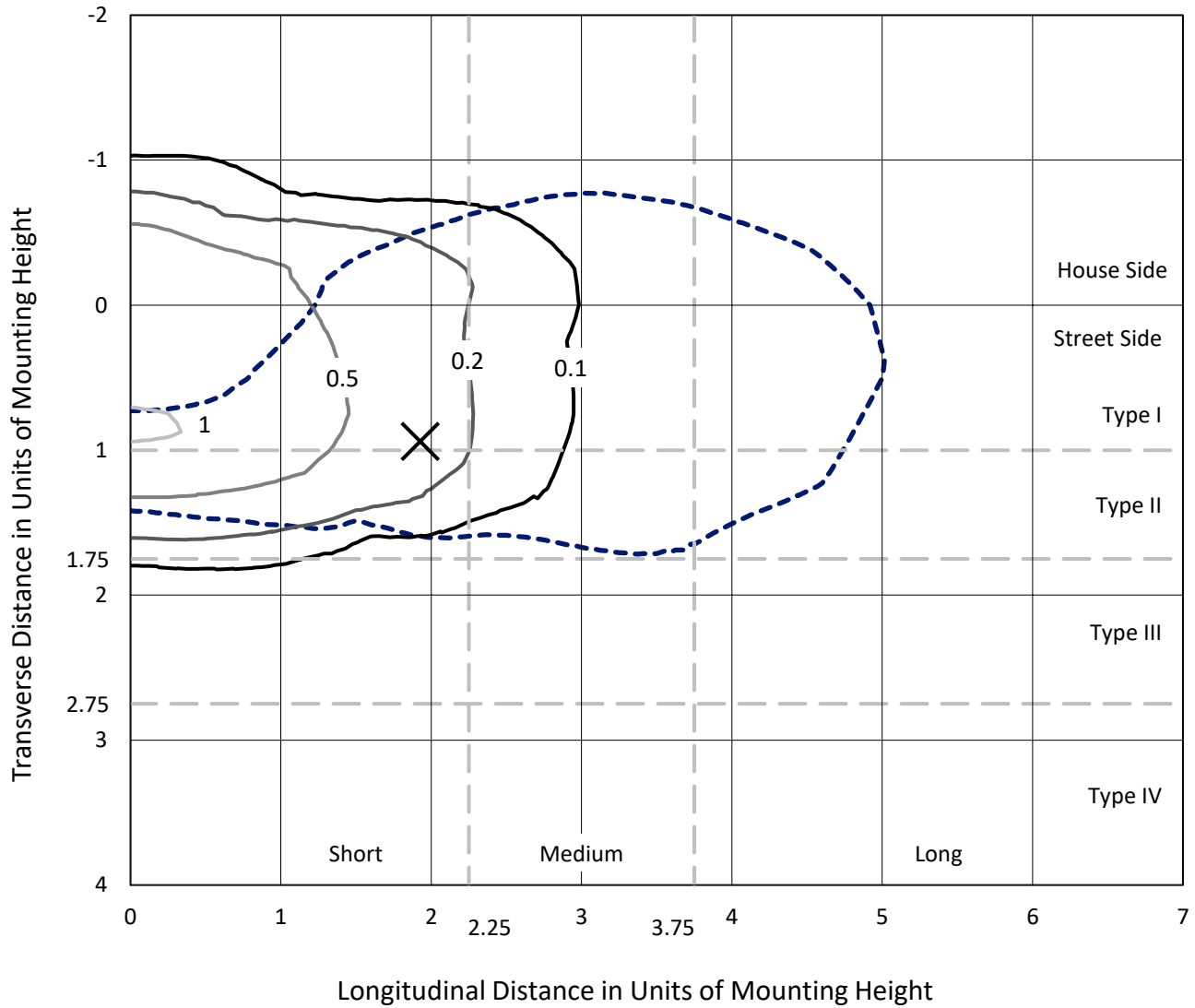
Input Watts (W): 30.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

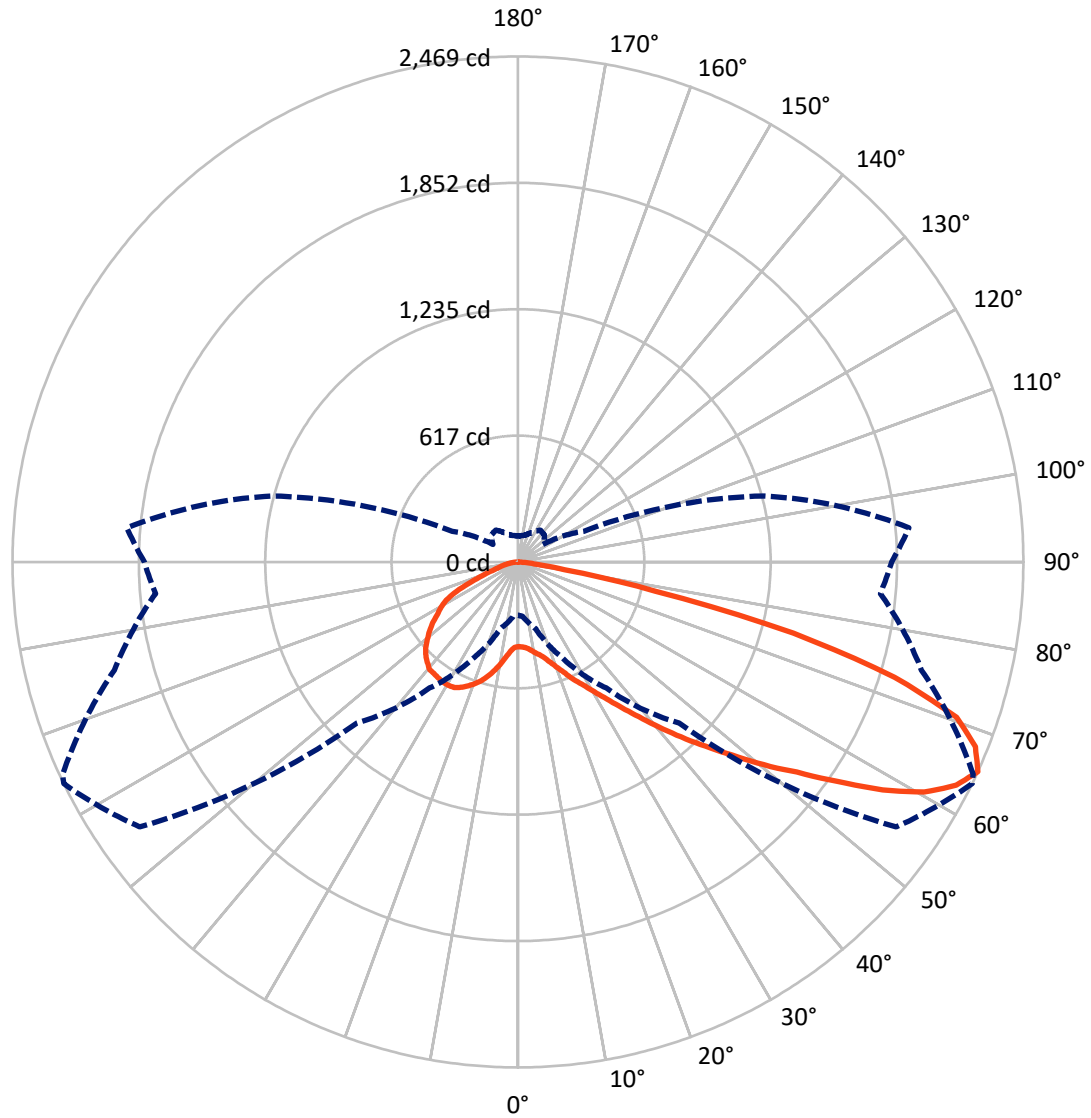
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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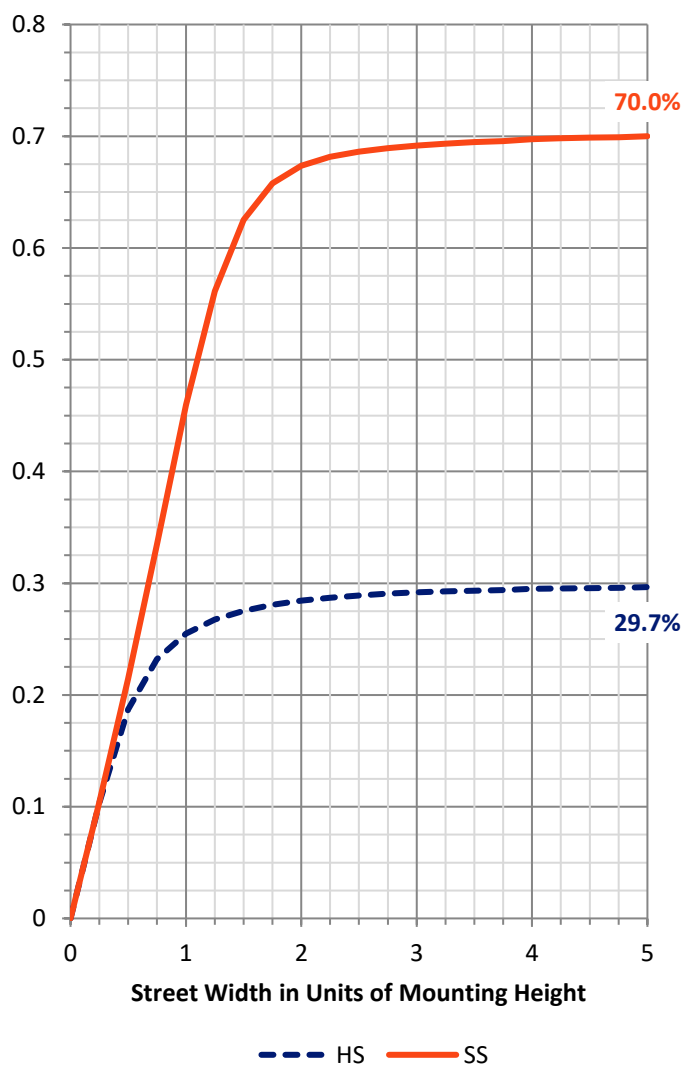
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1223.7	0.0	1223.7
	% Fixture	29.9	0.0	29.9
Street Side	Lumens	2871.3	0.0	2871.3
	% Fixture	70.1	0.0	70.1
Total	Lumens	4095.0	0.0	4095.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	1.0
10°-20°	148.2	3.6
20°-30°	286.9	7.0
30°-40°	458.7	11.2
40°-50°	735.3	18.0
50°-60°	963.3	23.5
60°-70°	875.2	21.4
70°-80°	522.7	12.8
80°-90°	62.0	1.5
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°	4095.0	100.0
0°-180°	4095.0	100.0

Coefficient of Utilization



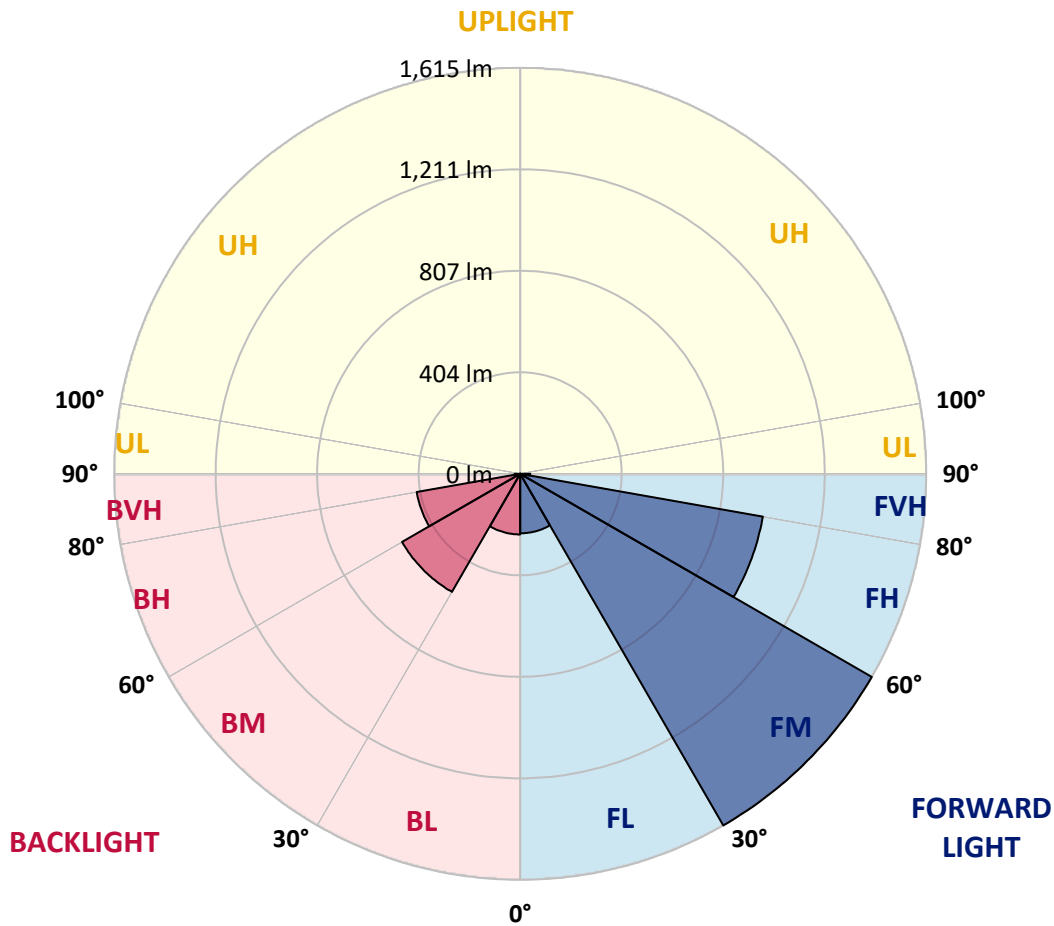
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.6	5.8			
FM (30°-60°)	1614.9	39.4			
FH (60°-80°)	980.1	23.9			G1/1800
FVH (80°-90°)	39.7	1.0			G1/100
BL (0°-30°)	241.2	5.9	B1/500		
BM (30°-60°)	542.4	13.2	B1/1000		
BH (60°-80°)	417.8	10.2	B1/500		G1/500
BVH (80°-90°)	22.3	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	413.5	413.5	413.5	413.5	413.5	413.5	413.5	413.5	413.5	413.5	413.5
2.5°	414.5	413.5	416.3	416.3	416.3	415.4	414.5	415.4	415.4	414.5	415.4
5°	412.6	412.6	415.4	419.0	419.0	421.7	419.9	420.8	421.7	422.7	422.7
7.5°	400.8	403.5	406.3	411.7	417.2	424.5	429.0	432.7	433.6	437.2	440.0
10°	407.2	406.3	410.8	414.5	419.9	431.8	439.1	449.1	447.2	457.3	461.8
12.5°	419.0	419.0	422.7	429.0	436.3	447.2	452.7	464.6	465.5	474.6	483.7
15°	433.6	433.6	440.0	447.2	458.2	472.8	480.0	485.5	490.1	497.3	506.5
17.5°	460.0	463.6	464.6	471.8	481.0	499.2	511.0	515.6	515.6	521.9	530.1
20°	510.1	517.4	511.0	510.1	511.9	531.1	542.9	551.1	550.2	552.0	552.9
22.5°	578.4	583.0	576.6	569.3	558.4	570.2	581.2	590.3	584.8	584.8	576.6
25°	667.7	662.2	656.8	635.8	615.8	611.2	626.7	637.6	634.9	621.2	603.0
27.5°	760.6	753.3	740.6	717.8	685.0	667.7	671.3	680.4	684.1	661.3	632.2
30°	849.9	851.7	836.2	804.3	762.4	733.3	728.7	735.1	733.3	703.2	661.3
32.5°	976.5	964.6	951.9	908.2	846.2	811.6	797.0	797.9	797.9	753.3	695.0
35°	1118.6	1120.4	1083.1	1022.0	946.4	898.1	875.4	873.5	869.0	818.9	743.3
37.5°	1321.7	1309.0	1263.4	1179.6	1072.1	1003.8	964.6	959.2	954.6	893.6	804.3
40°	1498.4	1500.2	1452.9	1367.3	1229.7	1116.8	1069.4	1059.4	1057.5	975.6	874.5
42.5°	1616.8	1610.5	1608.6	1558.5	1423.7	1301.7	1197.8	1168.7	1155.0	1073.9	958.3
45°	1672.4	1675.1	1683.3	1692.4	1629.6	1513.0	1361.8	1283.5	1271.6	1174.1	1049.4
47.5°	1705.2	1711.6	1737.1	1764.4	1792.6	1750.7	1531.2	1410.1	1400.0	1278.9	1143.2
50°	1685.2	1680.6	1741.6	1818.1	1908.3	1990.3	1726.1	1557.6	1544.9	1406.4	1247.9
52.5°	1474.7	1496.6	1631.4	1802.7	1981.2	2140.6	1948.4	1706.1	1695.2	1526.7	1341.7
55°	1191.5	1207.8	1349.0	1620.5	1987.6	2236.2	2120.6	1891.9	1877.4	1646.9	1449.2
57.5°	903.6	946.4	1104.0	1319.0	1799.0	2252.6	2253.6	2100.5	2051.3	1766.2	1545.8
60°	606.7	624.0	818.0	1025.7	1444.7	2104.2	2321.0	2281.8	2242.6	1881.9	1635.1
62.5°	410.8	414.5	531.1	775.2	1068.5	1753.5	2324.6	2402.9	2362.9	1975.7	1707.9
65°	259.6	266.9	337.9	519.2	751.5	1113.1	2256.3	2469.4	2454.0	2041.3	1777.2
67.5°	197.7	199.5	230.5	314.3	525.6	669.5	1951.1	2410.2	2414.8	2089.6	1809.9
70°	168.5	171.2	196.8	217.7	361.6	359.8	1250.7	2273.6	2290.0	2106.9	1828.2
72.5°	133.9	138.5	166.7	200.4	265.1	245.0	534.7	1924.7	1973.9	2049.5	1814.5
75°	98.4	101.1	125.7	163.1	207.7	188.6	212.2	1390.0	1519.4	1798.1	1726.1
77.5°	70.1	74.7	93.8	121.1	188.6	136.6	132.1	685.0	823.4	1366.3	1483.8
80°	49.2	48.3	62.9	82.0	117.5	102.0	78.3	231.4	297.0	782.5	965.5
82.5°	24.6	25.5	36.4	51.0	66.5	81.1	43.7	92.0	106.6	321.5	360.7
85°	10.9	10.9	15.5	18.2	30.1	30.1	21.0	33.7	37.3	88.4	32.8
87.5°	0.0	0.9	0.9	1.8	1.8	2.7	3.6	4.6	5.5	5.5	4.6
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°	413.5	413.5	413.5	413.5	413.5	413.5	413.5	413.5	413.5	413.5	413.5
2.5°	416.3	416.3	416.3	416.3	419.0	420.8	423.6	425.4	424.5	425.4	425.4
5°	424.5	425.4	429.0	433.6	440.0	445.4	454.5	456.4	460.9	459.1	463.6
7.5°	441.8	446.3	452.7	463.6	475.5	485.5	493.7	499.2	502.8	505.5	502.8
10°	467.3	472.8	485.5	501.0	515.6	529.2	534.7	540.2	539.3	536.5	535.6
12.5°	490.1	497.3	517.4	536.5	555.6	566.6	562.0	555.6	550.2	546.5	545.6
15°	513.7	523.8	545.6	573.0	588.4	587.5	574.8	564.8	563.8	562.0	560.2
17.5°	537.4	550.2	578.4	603.9	613.9	597.5	584.8	580.2	582.1	580.2	579.3
20°	559.3	571.1	603.9	631.3	626.7	604.8	596.6	593.0	588.4	585.7	583.9
22.5°	580.2	593.0	630.3	654.9	639.4	611.2	601.2	588.4	583.9	578.4	576.6
25°	600.3	614.9	652.2	676.8	639.4	608.5	587.5	571.1	561.1	555.6	555.6
27.5°	629.4	639.4	674.1	694.1	632.2	593.0	555.6	532.9	517.4	516.5	516.5
30°	651.3	656.8	692.3	700.5	615.8	557.5	510.1	476.4	460.0	455.4	454.5
32.5°	680.4	678.6	707.8	702.3	594.8	512.8	450.0	411.7	390.8	384.4	380.8
35°	716.9	714.1	739.6	700.5	565.7	460.0	383.5	339.8	325.2	314.3	315.2
37.5°	776.1	757.9	788.8	699.6	526.5	390.8	313.3	286.9	267.8	256.9	257.8
40°	838.0	811.6	844.4	701.4	481.0	322.5	266.0	246.9	228.6	212.2	214.1
42.5°	913.6	881.7	903.6	686.8	427.2	268.7	236.8	223.2	207.7	195.8	197.7
45°	998.3	952.8	959.2	672.2	366.2	239.6	227.7	217.7	204.0	188.6	189.5
47.5°	1091.3	1039.3	1001.1	649.5	317.9	233.2	235.9	220.4	190.4	171.2	171.2
50°	1184.2	1132.2	1035.7	613.9	286.9	248.7	235.0	197.7	174.0	162.1	160.3
52.5°	1279.8	1246.1	1055.7	578.4	277.8	247.8	215.9	186.7	166.7	153.0	151.2
55°	1386.4	1369.1	1085.8	539.3	251.4	238.7	206.8	178.5	156.7	145.7	143.0
57.5°	1486.6	1510.3	1114.0	497.3	215.0	217.7	196.8	172.2	153.0	144.8	143.0
60°	1601.4	1653.3	1151.4	463.6	185.8	202.2	193.1	175.8	156.7	146.7	144.8
62.5°	1701.6	1789.0	1198.7	421.7	165.8	193.1	194.9	171.2	150.3	141.2	138.5
65°	1825.4	1917.4	1245.2	354.3	148.5	184.0	189.5	157.6	134.8	128.4	125.7
67.5°	1913.8	1996.7	1269.8	257.8	132.1	165.8	173.1	140.3	116.6	113.0	111.1
70°	1964.8	1977.6	1257.0	179.4	114.8	140.3	153.9	123.0	102.9	100.2	97.5
72.5°	1927.5	1848.2	1165.9	124.8	99.3	120.2	133.9	110.2	86.5	82.9	81.1
75°	1774.4	1602.3	936.4	92.0	86.5	102.0	113.0	92.9	69.2	62.9	61.9
77.5°	1441.9	1222.4	604.8	72.9	72.0	82.9	90.2	72.9	52.8	50.1	47.4
80°	876.3	746.9	256.9	54.7	54.7	60.1	66.5	57.4	40.1	34.6	33.7
82.5°	328.8	256.0	84.7	35.5	34.6	42.8	51.9	39.2	22.8	19.1	17.3
85°	24.6	30.1	31.0	17.3	15.5	17.3	21.0	10.9	6.4	4.6	4.6
87.5°	3.6	3.6	3.6	2.7	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)