

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: P511088

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

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511088
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-4)
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-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2963 lumens
Efficiency: N/A
Efficacy: 96.5 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

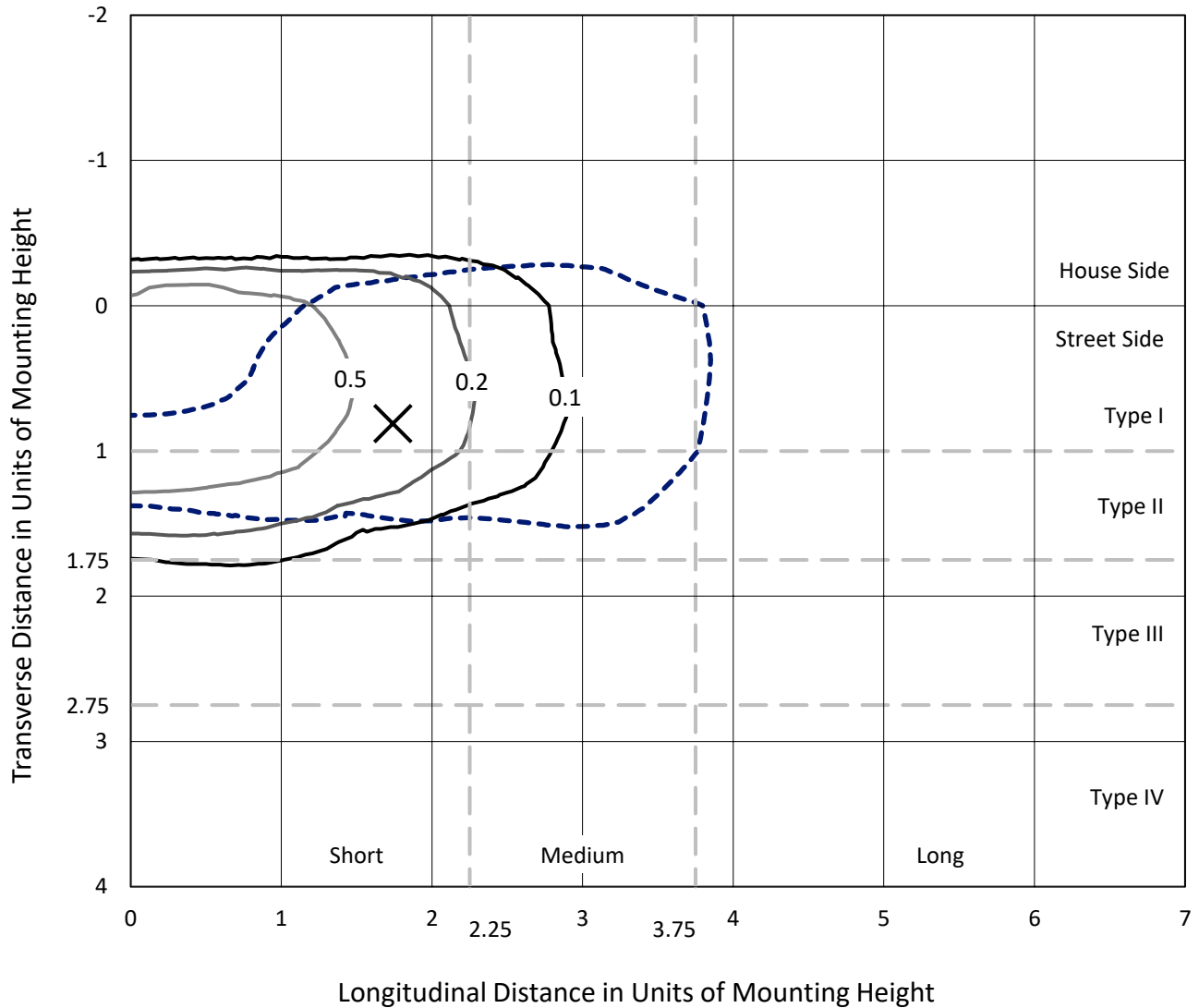
Input Watts (W): 30.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

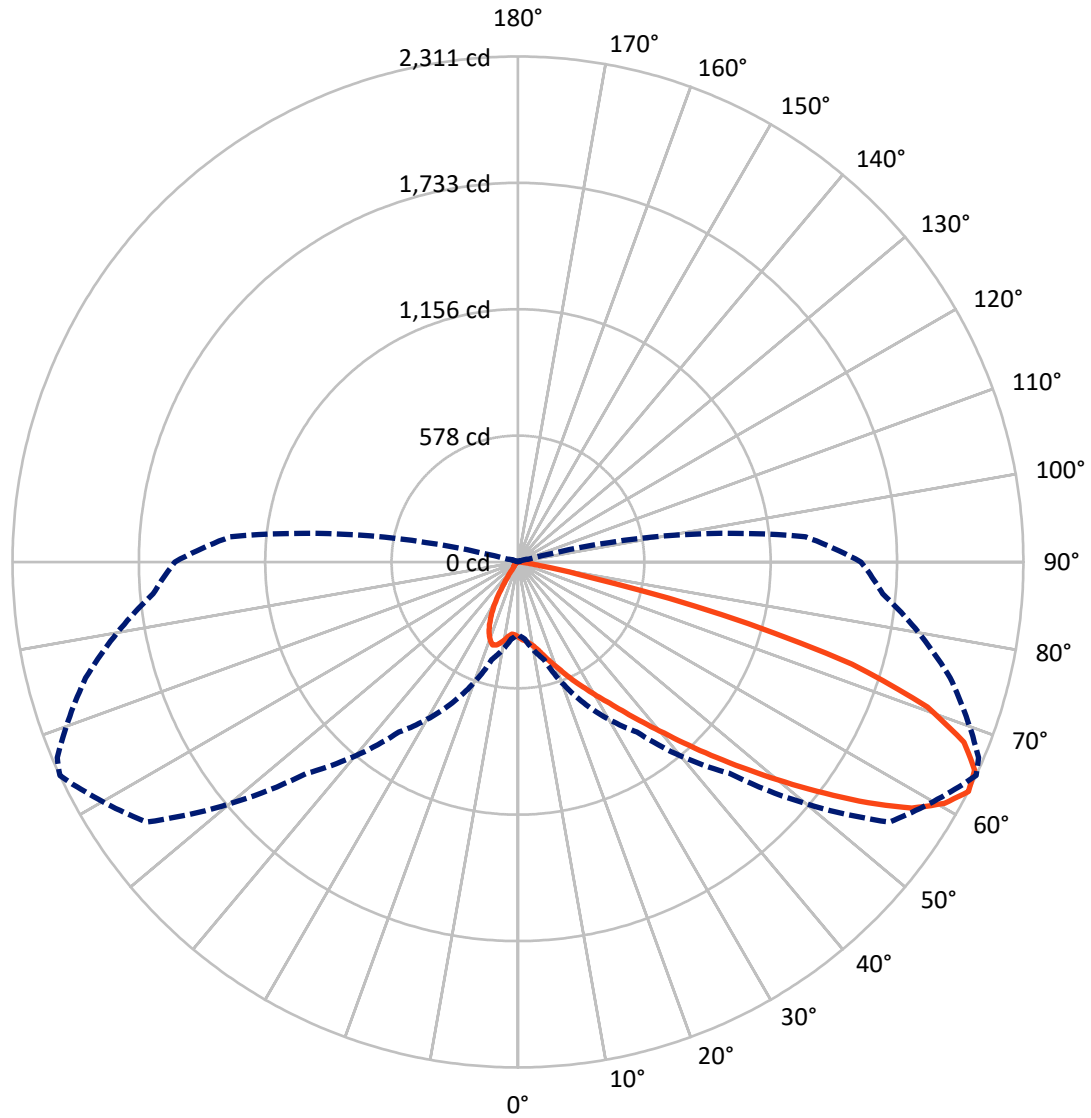
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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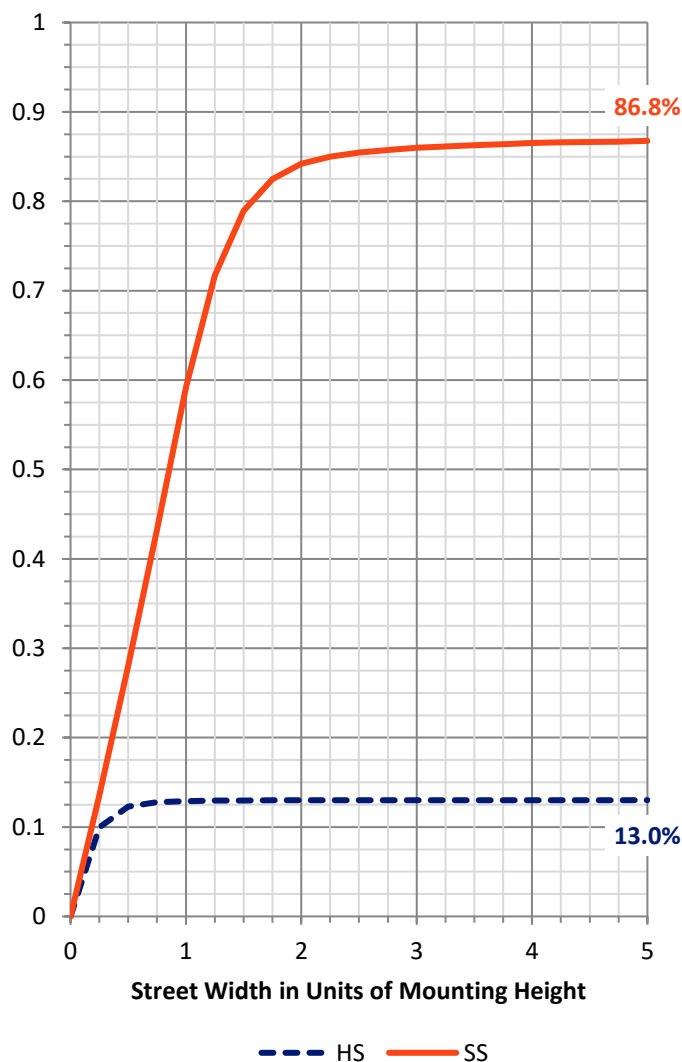
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	389.9	0.0	389.9
	% Fixture	13.2	0.0	13.2
Street Side	Lumens	2573.0	0.0	2573.0
	% Fixture	86.8	0.0	86.8
Total	Lumens	2963.0	0.0	2963.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.8	1.1
10°-20°	97.2	3.3
20°-30°	173.4	5.9
30°-40°	316.4	10.7
40°-50°	594.7	20.1
50°-60°	788.5	26.6
60°-70°	655.3	22.1
70°-80°	291.1	9.8
80°-90°	13.7	0.5
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°	2963.0	100.0
0°-180°	2963.0	100.0

Coefficient of Utilization



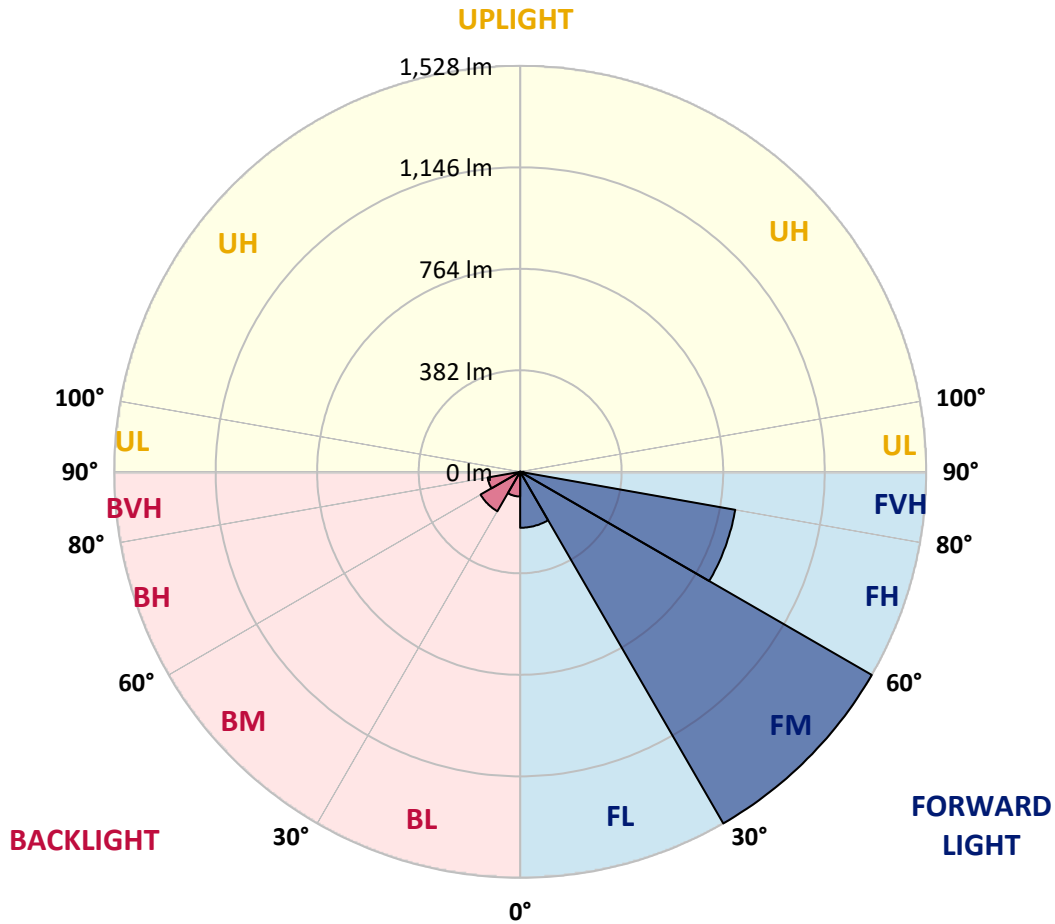
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	210.6	7.1			
FM (30°-60°)	1527.9	51.6			
FH (60°-80°)	821.9	27.7			G1/1800
FVH (80°-90°)	12.6	0.4			G1/100
BL (0°-30°)	92.8	3.1	B0/110		
BM (30°-60°)	171.6	5.8	B0/220		
BH (60°-80°)	124.4	4.2	B1/500		G1/500
BVH (80°-90°)	1.1	0.0			G0/10
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°	65°	67°	75°	85°
0°	343.4	343.4	343.4	343.4	343.4	343.4	343.4	343.4	343.4	343.4	343.4
2.5°	357.1	358.9	357.1	359.8	358.0	357.1	356.2	354.3	353.4	349.8	348.0
5°	351.6	351.6	353.4	357.1	358.0	361.6	361.6	362.5	360.7	359.8	355.3
7.5°	347.1	348.0	349.8	354.3	357.1	364.4	368.9	375.3	375.3	372.6	370.7
10°	358.9	359.8	361.6	367.1	369.8	379.8	385.3	390.8	391.7	392.6	391.7
12.5°	378.0	378.0	379.8	384.4	390.8	401.7	409.0	413.6	413.6	416.3	414.5
15°	405.4	404.4	406.3	409.0	412.6	426.3	437.2	444.5	444.5	442.7	437.2
17.5°	433.6	435.4	439.1	439.1	440.9	453.6	468.2	479.1	480.0	475.5	464.6
20°	466.4	468.2	469.1	473.7	471.9	483.7	498.3	515.6	517.4	511.9	492.8
22.5°	494.6	498.3	502.8	507.4	511.0	522.9	534.7	558.4	560.2	553.8	523.8
25°	532.0	529.2	537.4	541.1	548.4	561.1	576.6	605.8	607.6	596.6	560.2
27.5°	567.5	567.5	573.9	584.8	588.4	604.8	621.2	653.1	658.6	645.8	596.6
30°	630.3	634.9	632.2	634.9	631.3	650.4	675.9	709.6	712.3	695.0	639.5
32.5°	773.4	771.5	746.9	707.8	691.4	709.6	738.7	769.7	774.3	761.5	682.3
35°	957.4	965.6	922.8	844.4	777.9	777.9	801.6	845.3	848.1	833.5	743.3
37.5°	1200.6	1195.1	1132.3	1031.1	908.2	869.0	891.8	930.9	935.5	919.1	815.3
40°	1366.4	1380.9	1348.1	1247.9	1094.0	1002.0	990.2	1028.4	1033.9	1018.4	894.5
42.5°	1496.6	1501.2	1493.9	1445.6	1316.3	1180.5	1112.2	1145.9	1145.9	1120.4	987.4
45°	1589.5	1595.0	1593.2	1577.7	1513.0	1399.2	1273.5	1276.2	1281.6	1241.6	1081.2
47.5°	1620.5	1620.5	1647.8	1677.0	1678.8	1639.6	1477.5	1419.2	1411.9	1370.0	1181.4
50°	1536.7	1539.4	1606.8	1715.2	1800.0	1855.5	1706.1	1580.4	1563.1	1511.2	1294.4
52.5°	1305.3	1302.6	1419.2	1637.8	1866.5	2014.9	1892.9	1757.1	1733.5	1629.6	1390.0
55°	1049.4	1068.5	1188.7	1402.8	1800.9	2094.2	2042.3	1943.0	1893.8	1762.6	1480.2
57.5°	789.8	820.7	989.2	1170.5	1545.8	2037.7	2130.6	2123.3	2076.0	1876.5	1559.5
60°	507.4	535.6	712.3	936.4	1248.9	1807.2	2146.1	2239.9	2216.2	1978.5	1636.9
62.5°	331.6	353.4	462.7	711.4	949.2	1366.4	2073.2	2311.0	2288.2	2045.9	1674.3
65°	194.9	203.1	274.2	487.3	696.8	890.0	1877.4	2294.6	2309.2	2105.1	1697.9
67.5°	140.3	141.2	174.0	270.5	491.9	513.8	1418.3	2199.8	2231.7	2125.2	1689.7
70°	119.3	123.0	145.7	178.5	344.3	269.6	821.6	1985.8	2064.1	2097.8	1668.8
72.5°	92.0	97.5	120.2	153.0	246.9	182.2	311.5	1597.7	1704.3	1892.9	1589.5
75°	58.3	63.8	89.3	122.1	174.9	145.7	126.6	961.0	1074.0	1310.8	1272.5
77.5°	34.6	35.5	54.7	87.4	154.9	108.4	73.8	333.4	440.9	638.5	653.1
80°	17.3	19.1	30.1	55.6	95.6	80.2	44.6	101.1	126.6	220.4	153.0
82.5°	10.0	10.9	16.4	31.0	50.1	47.4	24.6	44.6	50.1	60.1	26.4
85°	0.9	1.8	8.2	12.8	17.3	10.9	10.0	18.2	19.1	27.3	9.1
87.5°	0.0	0.0	0.9	0.9	1.8	1.8	2.7	3.6	3.6	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°	343.4	343.4	343.4	343.4	343.4	343.4	343.4	343.4	343.4	343.4	343.4
2.5°	344.3	344.3	338.9	334.3	331.6	327.9	323.4	321.6	318.8	317.9	318.8
5°	353.4	348.9	338.9	330.7	323.4	317.0	310.6	307.9	305.2	305.2	305.2
7.5°	368.0	362.5	350.7	340.7	331.6	326.1	316.1	306.1	297.0	294.2	292.4
10°	389.0	382.6	369.8	358.9	348.0	327.9	299.7	271.5	251.4	241.4	242.3
12.5°	409.9	402.6	390.8	378.0	352.5	304.2	252.3	205.9	175.8	160.3	155.8
15°	433.6	425.4	411.7	392.6	336.1	257.8	184.0	122.1	89.3	78.3	74.7
17.5°	460.0	448.2	434.5	396.2	299.7	189.5	102.0	63.8	53.7	51.0	50.1
20°	483.7	473.7	454.5	379.8	246.9	116.6	57.4	47.4	43.7	41.9	41.9
22.5°	511.0	496.4	473.7	351.6	182.2	65.6	44.6	39.2	35.5	34.6	33.7
25°	539.3	521.0	487.3	313.4	115.7	46.5	37.3	32.8	29.1	27.3	28.2
27.5°	572.1	543.8	492.8	263.3	66.5	39.2	31.0	26.4	23.7	22.8	22.8
30°	597.6	572.1	486.4	206.8	45.5	33.7	25.5	21.0	19.1	18.2	18.2
32.5°	634.9	600.3	469.1	135.7	37.3	28.2	21.0	17.3	15.5	15.5	15.5
35°	685.9	637.6	440.9	81.1	31.9	23.7	17.3	14.6	13.7	13.7	13.7
37.5°	751.5	695.0	415.4	47.4	26.4	19.1	14.6	12.8	11.8	11.8	11.8
40°	822.6	759.7	385.3	33.7	21.9	16.4	12.8	10.9	10.0	10.0	10.9
42.5°	911.8	833.5	343.4	29.1	19.1	13.7	10.9	9.1	8.2	9.1	9.1
45°	993.8	911.8	294.2	24.6	16.4	11.8	9.1	7.3	7.3	8.2	8.2
47.5°	1095.8	990.2	231.4	21.9	14.6	10.0	7.3	6.4	6.4	7.3	7.3
50°	1188.7	1069.4	170.3	19.1	12.8	8.2	6.4	5.5	5.5	5.5	6.4
52.5°	1282.6	1148.7	130.3	16.4	10.9	7.3	5.5	4.6	3.6	4.6	4.6
55°	1370.0	1211.5	99.3	14.6	9.1	6.4	4.6	3.6	2.7	3.6	3.6
57.5°	1452.0	1259.8	81.1	12.8	8.2	5.5	3.6	2.7	2.7	2.7	2.7
60°	1513.9	1297.1	61.9	10.9	7.3	4.6	2.7	1.8	1.8	1.8	1.8
62.5°	1568.6	1319.9	49.2	9.1	6.4	3.6	1.8	1.8	0.9	0.9	0.9
65°	1602.3	1323.6	39.2	8.2	5.5	3.6	1.8	0.9	0.0	0.0	0.0
67.5°	1616.0	1309.0	31.9	6.4	4.6	2.7	1.8	0.9	0.0	0.0	0.0
70°	1610.5	1260.7	24.6	5.5	3.6	1.8	1.8	0.9	0.0	0.0	0.0
72.5°	1539.4	1117.7	18.2	4.6	2.7	1.8	0.9	0.9	0.0	0.0	0.0
75°	1204.2	602.1	12.8	3.6	1.8	1.8	0.9	0.9	0.0	0.0	0.0
77.5°	637.6	214.1	8.2	2.7	1.8	0.9	0.9	0.9	0.0	0.0	0.0
80°	114.8	44.6	3.6	1.8	0.9	0.9	0.9	0.9	0.0	0.0	0.0
82.5°	18.2	4.6	1.8	1.8	0.9	0.9	0.9	0.9	0.0	0.0	0.0
85°	6.4	2.7	1.8	1.8	0.9	0.9	0.9	0.9	0.0	0.0	0.0
87.5°	1.8	1.8	1.8	1.8	0.9	0.9	0.9	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)