

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: P511087

Luminaire Tested: **PRV-P-PA1A-730-U-T2R**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-1)
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-T2R
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4103 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

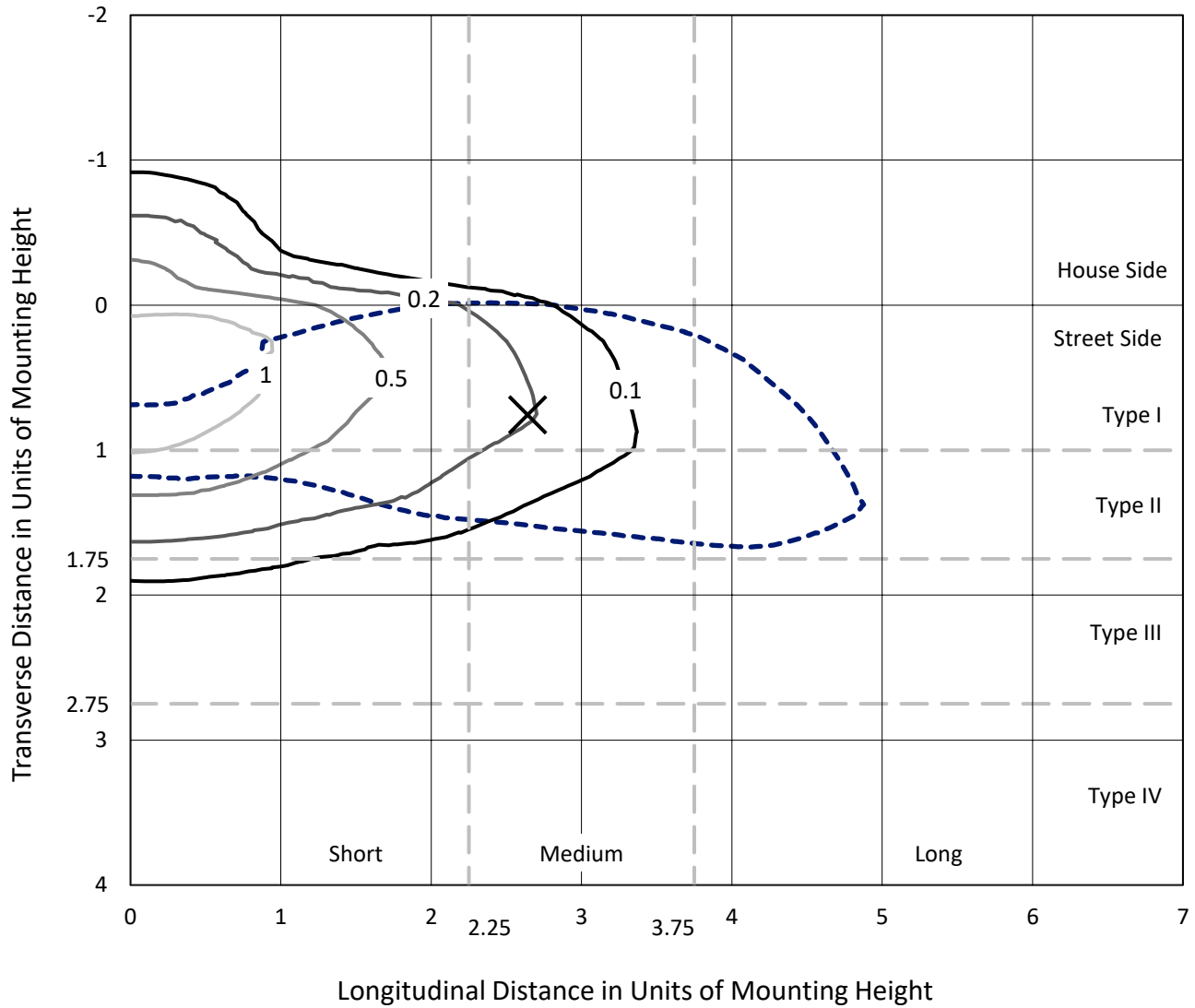
Input Watts (W): 30.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

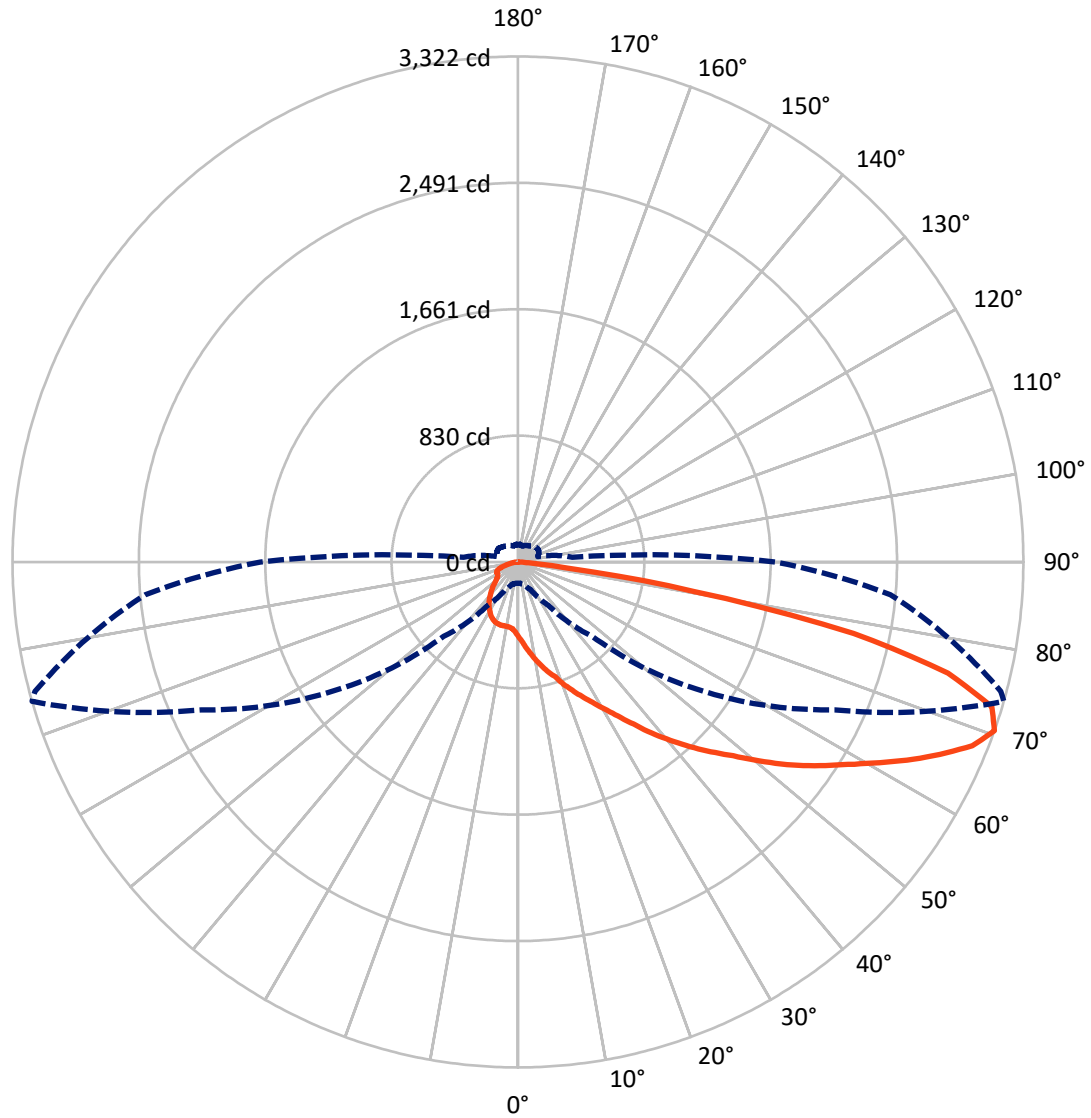
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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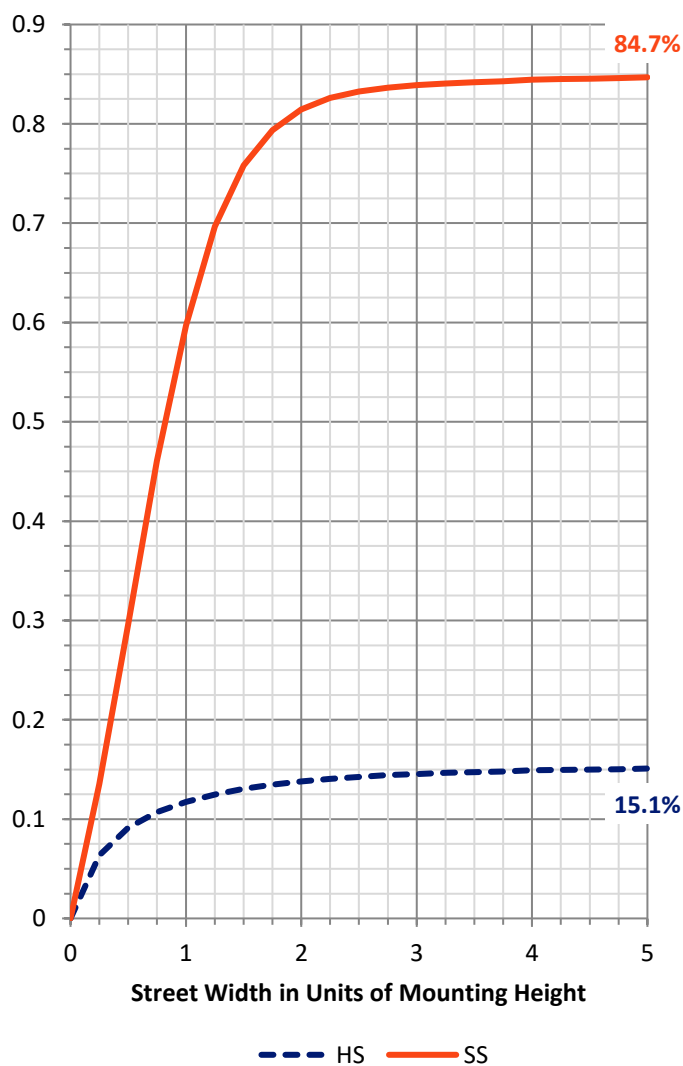
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	624.2	0.0	624.2
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	3478.8	0.0	3478.8
	% Fixture	84.8	0.0	84.8
Total	Lumens	4103.0	0.0	4103.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.4	1.3
10°-20°	171.8	4.2
20°-30°	319.5	7.8
30°-40°	538.7	13.1
40°-50°	763.7	18.6
50°-60°	877.8	21.4
60°-70°	819.1	20.0
70°-80°	507.9	12.4
80°-90°	53.1	1.3
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°	4103.0	100.0
0°-180°	4103.0	100.0

Coefficient of Utilization



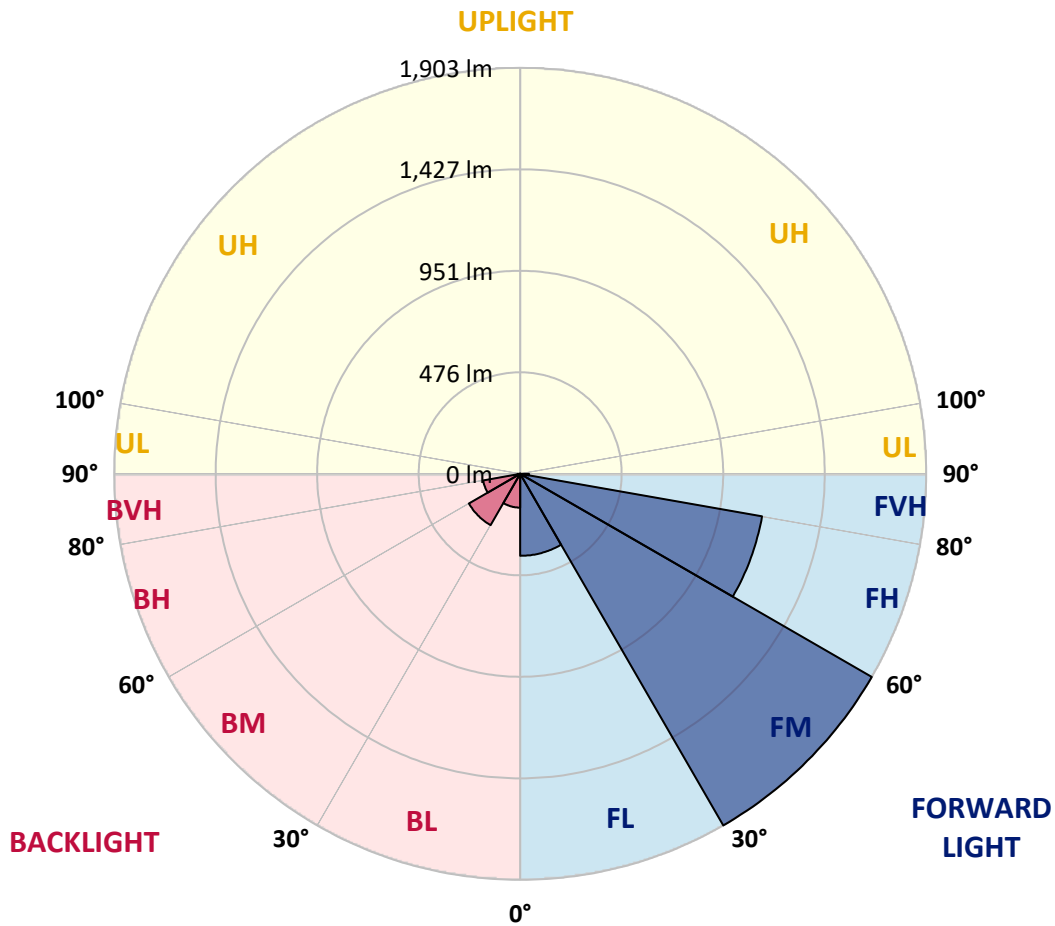
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	384.2	9.4			
FM (30°-60°)	1902.7	46.4			
FH (60°-80°)	1150.8	28.0			G1/1800
FVH (80°-90°)	41.1	1.0			G1/100
BL (0°-30°)	158.4	3.9	B1/500		
BM (30°-60°)	277.6	6.8	B1/1000		
BH (60°-80°)	176.2	4.3	B1/500		G1/500
BVH (80°-90°)	12.0	0.3			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0
2.5°	613.9	617.6	614.8	609.4	599.3	578.4	564.7	549.3	523.7	523.7	504.6
5°	698.6	698.6	694.1	688.6	679.5	657.6	636.7	604.8	567.5	563.8	521.9
7.5°	737.8	737.8	737.8	736.9	733.2	715.9	692.3	653.1	609.4	605.7	539.2
10°	771.5	768.8	769.7	771.5	767.9	766.0	746.0	708.7	657.6	652.2	572.0
12.5°	806.1	800.6	802.5	806.1	808.8	802.5	787.9	757.8	701.4	697.7	600.3
15°	829.8	829.8	832.5	839.8	843.5	844.4	833.4	810.7	751.5	742.4	634.9
17.5°	847.1	846.2	851.7	864.4	878.1	883.5	887.2	861.7	792.5	788.8	667.7
20°	868.1	868.1	875.3	893.6	910.9	926.3	936.4	925.4	858.0	845.3	710.5
22.5°	928.2	928.2	927.3	937.3	954.6	966.4	982.8	981.9	915.4	899.9	750.6
25°	1073.0	1079.4	1051.1	1018.3	1017.4	1022.0	1025.6	1053.9	980.1	968.2	793.4
27.5°	1281.6	1288.0	1245.1	1193.2	1121.3	1087.6	1073.0	1121.3	1044.8	1033.8	833.4
30°	1477.4	1465.6	1442.8	1386.3	1285.2	1191.4	1134.9	1187.8	1120.4	1097.6	866.2
32.5°	1610.4	1602.2	1582.2	1529.3	1446.4	1333.5	1213.3	1250.6	1206.9	1185.9	918.1
35°	1684.2	1681.5	1660.5	1635.0	1589.5	1497.5	1323.5	1327.1	1308.9	1290.7	977.4
37.5°	1746.1	1739.7	1717.9	1693.3	1676.0	1628.6	1469.2	1399.1	1426.4	1391.8	1040.2
40°	1788.0	1782.6	1766.2	1740.7	1737.9	1732.5	1620.4	1493.8	1540.3	1506.6	1113.1
42.5°	1808.1	1802.6	1799.0	1775.3	1780.7	1805.3	1764.3	1605.9	1659.6	1620.4	1195.1
45°	1819.0	1814.4	1811.7	1793.5	1799.0	1850.0	1880.0	1734.3	1778.9	1743.4	1279.8
47.5°	1796.2	1791.7	1808.1	1800.8	1814.4	1879.1	1953.8	1868.2	1902.8	1857.2	1377.2
50°	1686.9	1701.5	1747.9	1776.2	1805.3	1891.0	2023.9	2004.8	2053.1	1997.5	1486.5
52.5°	1389.1	1413.7	1574.0	1692.4	1776.2	1891.9	2070.4	2139.6	2213.4	2175.1	1596.7
55°	1100.3	1128.6	1263.4	1495.6	1692.4	1874.6	2091.3	2225.2	2364.6	2309.9	1711.5
57.5°	933.6	950.0	1002.9	1216.9	1514.8	1822.6	2134.2	2290.8	2512.2	2474.8	1829.0
60°	787.0	789.7	845.3	980.1	1257.9	1696.9	2159.7	2340.9	2681.6	2632.4	1959.3
62.5°	598.4	619.4	675.9	782.4	1005.6	1486.5	2168.8	2391.9	2869.2	2830.1	2111.4
65°	374.4	388.0	453.6	592.1	794.3	1208.7	2064.9	2442.9	3047.7	3017.7	2263.5
67.5°	201.3	212.2	259.6	361.6	570.2	944.6	1815.3	2427.4	3221.7	3198.0	2402.9
70°	139.4	140.3	151.2	203.1	346.1	689.5	1475.6	2298.1	3321.9	3285.5	2457.5
72.5°	115.7	117.5	123.0	134.8	185.8	424.5	1069.4	2048.5	3256.3	3206.2	2341.8
75°	98.4	99.3	104.7	111.1	125.7	224.1	680.4	1688.7	2919.3	2869.2	1974.8
77.5°	81.1	82.9	87.4	95.6	104.7	128.4	354.3	1313.5	2254.4	2193.4	1299.8
80°	57.4	58.3	63.8	72.9	85.6	90.2	136.6	787.0	1173.2	1077.6	495.5
82.5°	33.7	35.5	42.8	50.1	62.8	53.7	63.8	298.8	329.7	296.0	102.9
85°	8.2	10.0	14.6	20.0	25.5	18.2	28.2	58.3	68.3	62.8	19.1
87.5°	0.9	0.9	0.9	0.9	1.8	2.7	4.6	4.6	4.6	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°	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0	490.0
2.5°	491.9	482.8	463.6	446.3	433.6	422.6	418.1	408.1	406.2	402.6	403.5
5°	496.4	476.4	442.7	418.1	405.3	395.3	389.8	388.9	389.8	388.9	389.8
7.5°	507.4	478.2	435.4	408.1	399.0	394.4	392.6	392.6	395.3	394.4	393.5
10°	522.8	485.5	432.7	407.2	401.7	399.9	398.0	399.0	399.9	401.7	395.3
12.5°	544.7	494.6	430.8	408.1	401.7	399.0	396.2	396.2	398.0	394.4	396.2
15°	562.0	506.4	432.7	405.3	398.0	393.5	388.9	387.1	385.3	384.4	383.5
17.5°	586.6	519.2	430.8	402.6	390.8	381.7	372.5	368.9	367.1	365.3	364.3
20°	614.8	527.4	428.1	395.3	378.0	364.3	354.3	347.0	340.7	339.8	337.0
22.5°	638.5	541.1	420.8	383.5	361.6	344.3	329.7	322.4	314.2	309.7	307.0
25°	673.1	555.6	409.9	366.2	339.8	323.4	303.3	294.2	285.1	278.7	278.7
27.5°	695.9	560.2	398.0	347.0	317.9	292.4	274.2	262.3	254.1	249.6	249.6
30°	727.8	571.1	378.9	327.9	292.4	269.6	246.8	235.9	228.6	221.3	218.6
32.5°	760.6	578.4	362.5	304.2	267.8	240.5	223.2	216.8	204.9	195.8	194.0
35°	804.3	589.3	341.6	280.5	241.4	220.4	213.1	198.6	182.2	173.1	171.2
37.5°	857.1	601.2	317.9	254.1	219.5	207.7	204.0	180.4	167.6	164.0	164.0
40°	917.2	610.3	292.4	229.5	196.7	200.4	191.3	169.4	161.2	159.4	158.5
42.5°	981.0	618.5	268.7	204.0	183.1	189.5	178.5	165.8	158.5	156.7	154.8
45°	1050.2	620.3	245.0	184.9	171.2	174.0	169.4	161.2	154.8	153.9	153.0
47.5°	1125.8	622.1	219.5	167.6	164.0	159.4	162.1	154.8	151.2	150.3	149.4
50°	1218.7	617.6	195.8	156.7	158.5	150.3	153.9	149.4	148.5	146.6	144.8
52.5°	1300.7	603.0	177.6	151.2	154.8	148.5	147.6	145.7	145.7	142.1	140.3
55°	1379.0	583.0	165.8	148.5	150.3	145.7	144.8	143.0	142.1	137.5	136.6
57.5°	1452.8	553.8	158.5	149.4	148.5	143.9	143.9	141.2	136.6	134.8	133.0
60°	1552.1	529.2	155.8	151.2	146.6	143.0	143.0	138.5	133.9	131.2	130.3
62.5°	1645.0	502.8	154.8	154.8	147.6	142.1	141.2	136.6	130.3	129.3	127.5
65°	1739.7	470.0	153.9	159.4	149.4	142.1	139.4	133.0	125.7	125.7	123.9
67.5°	1759.8	429.0	147.6	160.3	151.2	141.2	135.7	127.5	119.3	121.1	117.5
70°	1693.3	358.9	133.9	153.9	155.8	141.2	129.3	119.3	109.3	117.5	110.2
72.5°	1492.9	283.3	112.0	134.8	152.1	141.2	122.1	108.4	95.6	94.7	88.4
75°	1178.7	190.4	86.5	105.7	138.5	141.2	111.1	94.7	81.1	73.8	73.8
77.5°	713.2	125.7	66.5	74.7	111.1	130.3	97.5	73.8	61.0	56.5	54.7
80°	235.0	70.1	49.2	51.9	69.2	94.7	82.9	58.3	44.6	39.2	34.6
82.5°	63.8	37.3	31.9	29.1	34.6	70.1	65.6	38.3	27.3	22.8	17.3
85°	15.5	15.5	14.6	12.8	10.9	20.9	25.5	9.1	5.5	2.7	2.7
87.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	0.0	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)