

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: P511303

Luminaire Tested: **PRV-P-PA1D-730-U-T2R**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511303
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-PA1D-730-U-T2R
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10291 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

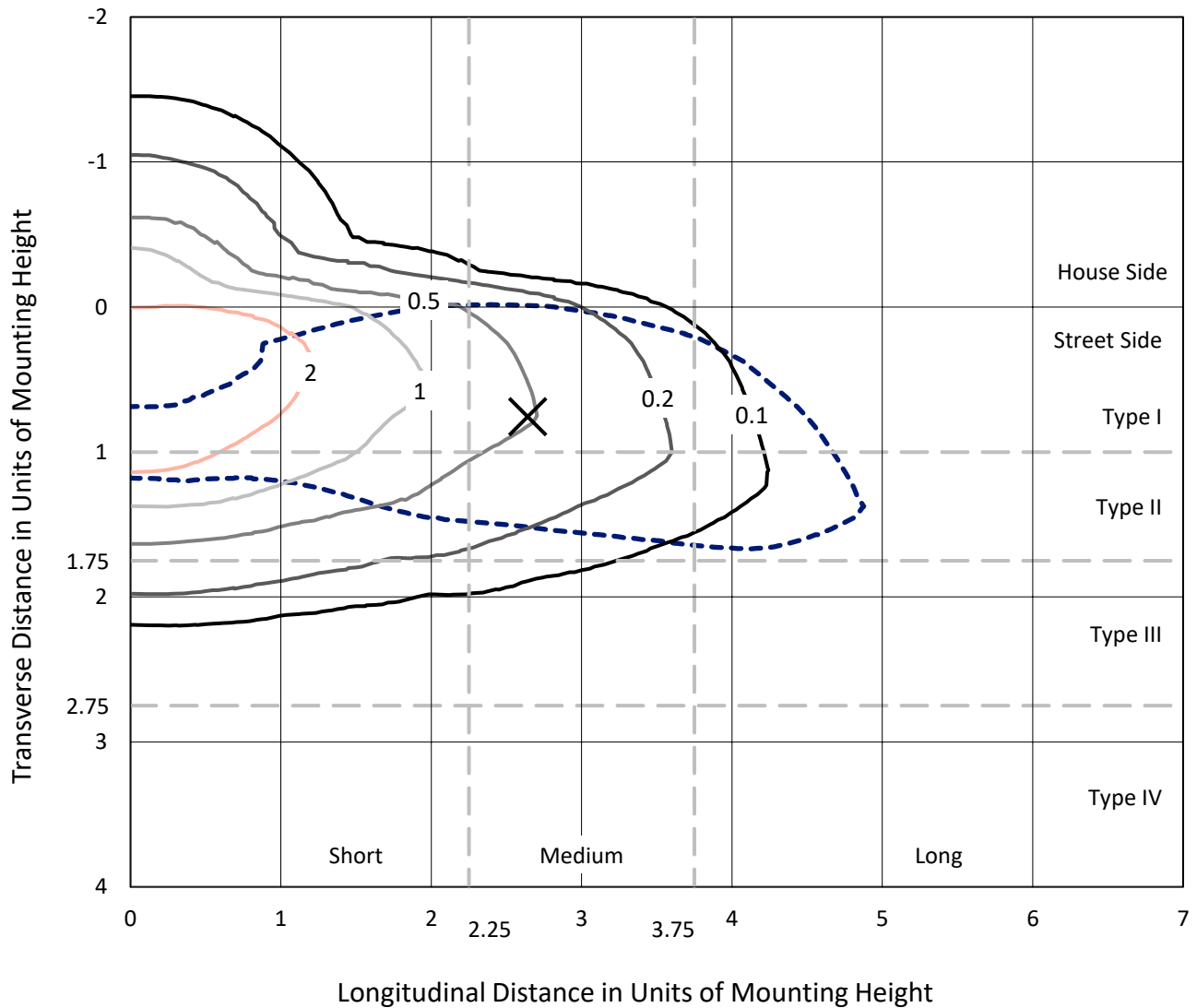
Input Watts (W): 93.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

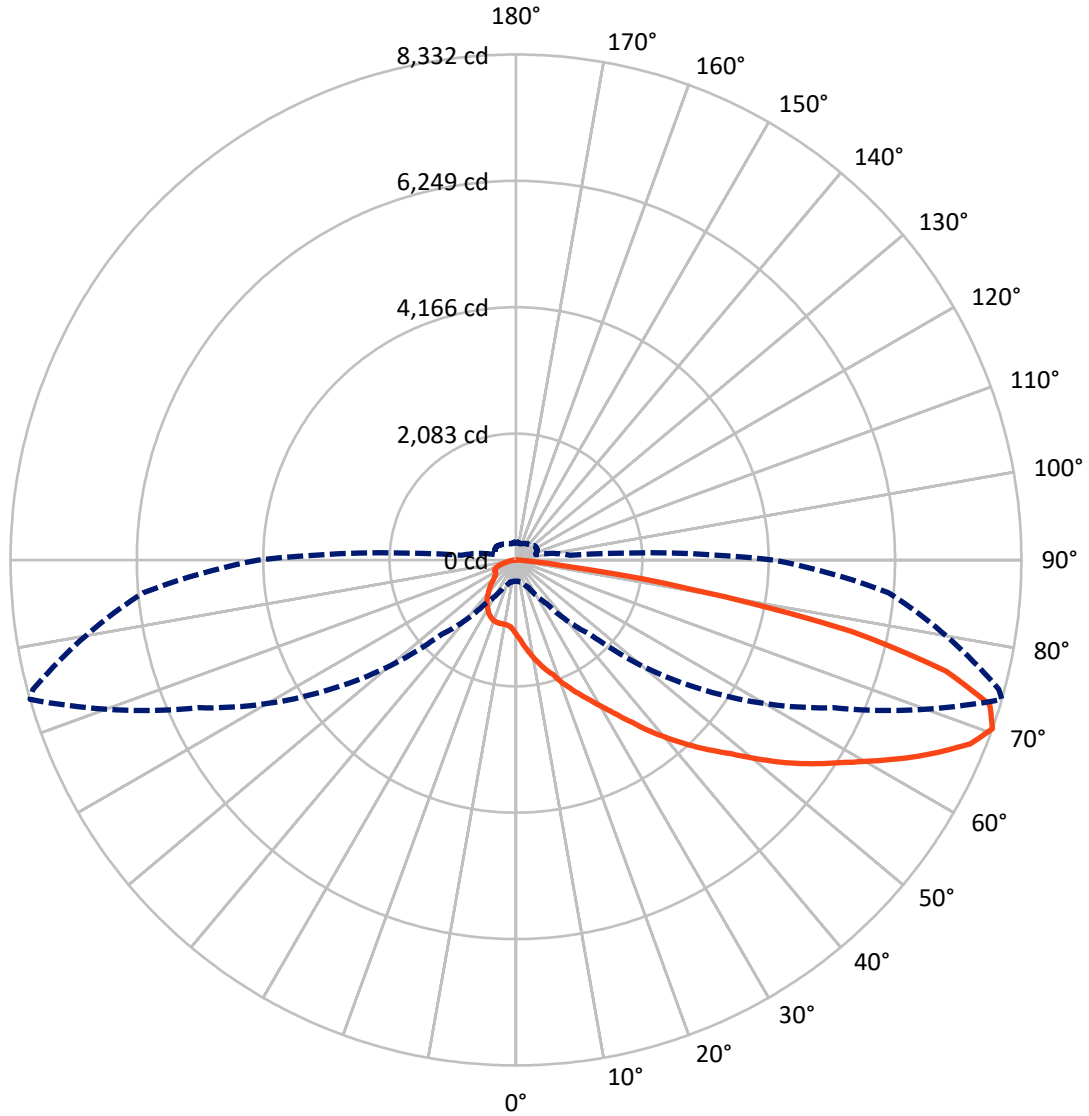
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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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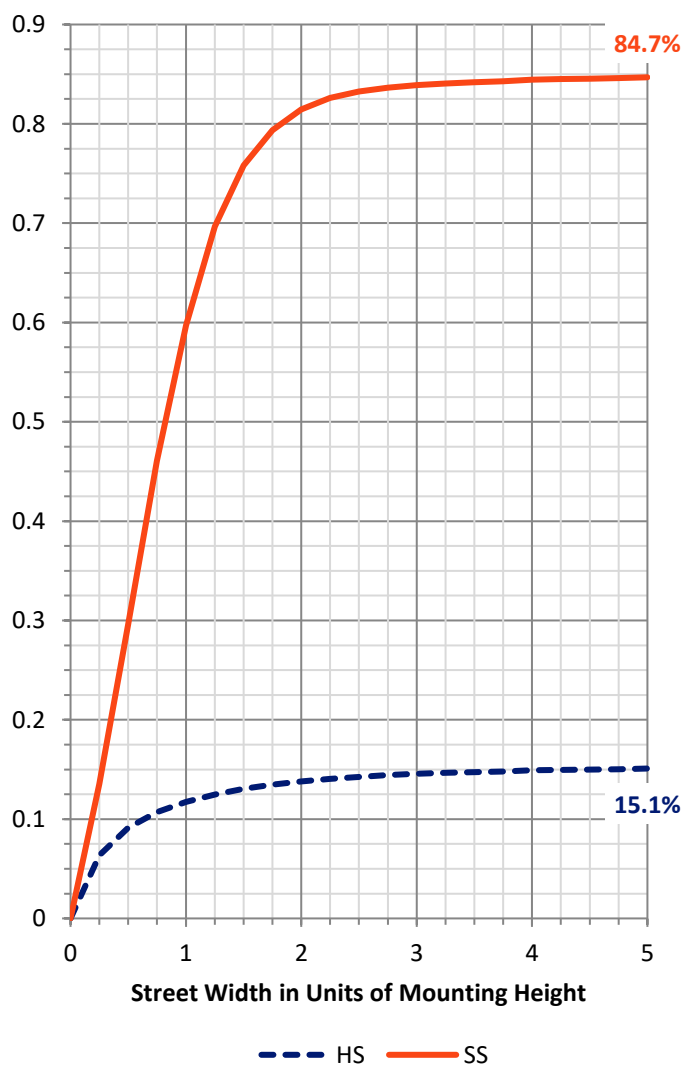
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1565.5	0.0	1565.5
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	8725.5	0.0	8725.5
	% Fixture	84.8	0.0	84.8
Total	Lumens	10291.0	0.0	10291.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.0	1.3
10°-20°	430.8	4.2
20°-30°	801.2	7.8
30°-40°	1351.2	13.1
40°-50°	1915.6	18.6
50°-60°	2201.8	21.4
60°-70°	2054.4	20.0
70°-80°	1273.9	12.4
80°-90°	133.2	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°	10291.0	100.0
0°-180°	10291.0	100.0

Coefficient of Utilization

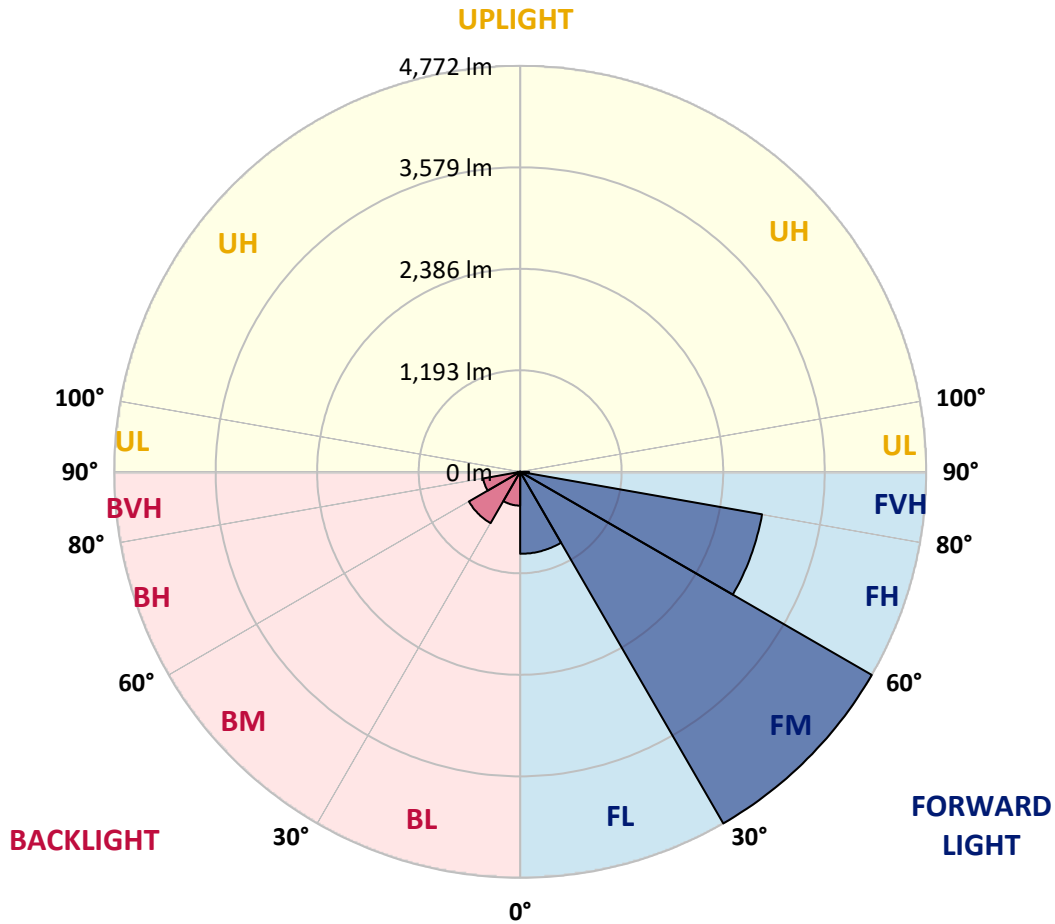


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	963.7	9.4			
FM (30°-60°)	4772.3	46.4			
FH (60°-80°)	2886.3	28.0			G2/5000
FVH (80°-90°)	103.1	1.0			G2/225
BL (0°-30°)	397.3	3.9	B1/500		
BM (30°-60°)	696.2	6.8	B1/1000		
BH (60°-80°)	441.9	4.3	B1/500		G1/500
BVH (80°-90°)	30.0	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-G2
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1
2.5°	1539.8	1549.0	1542.1	1528.4	1503.3	1450.7	1416.4	1377.6	1313.6	1313.6	1265.7
5°	1752.3	1752.3	1740.9	1727.2	1704.3	1649.5	1596.9	1517.0	1423.3	1414.2	1309.1
7.5°	1850.5	1850.5	1850.5	1848.2	1839.1	1795.7	1736.3	1638.1	1528.4	1519.3	1352.5
10°	1935.1	1928.2	1930.5	1935.1	1925.9	1921.3	1871.1	1777.4	1649.5	1635.8	1434.7
12.5°	2021.9	2008.2	2012.7	2021.9	2028.7	2012.7	1976.2	1900.8	1759.1	1750.0	1505.5
15°	2081.3	2081.3	2088.1	2106.4	2115.5	2117.8	2090.4	2033.3	1884.8	1861.9	1592.4
17.5°	2124.7	2122.4	2136.1	2168.1	2202.3	2216.1	2225.2	2161.2	1987.6	1978.5	1674.6
20°	2177.2	2177.2	2195.5	2241.2	2284.6	2323.4	2348.6	2321.1	2152.1	2120.1	1782.0
22.5°	2328.0	2328.0	2325.7	2350.8	2394.3	2424.0	2465.1	2462.8	2296.0	2257.2	1882.5
25°	2691.3	2707.2	2636.4	2554.2	2551.9	2563.3	2572.5	2643.3	2458.2	2428.5	1989.9
27.5°	3214.4	3230.4	3123.0	2992.8	2812.3	2727.8	2691.3	2812.3	2620.4	2593.0	2090.4
30°	3705.6	3675.9	3618.8	3477.2	3223.6	2988.2	2846.6	2979.1	2810.1	2752.9	2172.6
32.5°	4039.2	4018.6	3968.3	3835.8	3627.9	3344.6	3043.1	3136.7	3027.1	2974.5	2302.9
35°	4224.2	4217.4	4164.8	4100.8	3986.6	3755.9	3319.5	3328.7	3283.0	3237.3	2451.4
37.5°	4379.6	4363.6	4308.7	4247.1	4203.7	4084.9	3685.0	3509.1	3577.7	3490.9	2609.0
40°	4484.7	4470.9	4429.8	4365.9	4359.0	4345.3	4064.3	3746.7	3863.2	3778.7	2791.8
42.5°	4534.9	4521.2	4512.1	4452.7	4466.4	4528.1	4425.3	4027.7	4162.5	4064.3	2997.4
45°	4562.3	4550.9	4544.1	4498.4	4512.1	4640.0	4715.4	4349.9	4461.8	4372.7	3209.9
47.5°	4505.2	4493.8	4534.9	4516.6	4550.9	4713.1	4900.5	4685.7	4772.5	4658.3	3454.3
50°	4231.1	4267.6	4384.1	4455.0	4528.1	4742.8	5076.4	5028.4	5149.5	5010.1	3728.5
52.5°	3484.0	3545.7	3947.8	4244.8	4455.0	4745.1	5192.9	5366.5	5551.6	5455.6	4004.9
55°	2759.8	2830.6	3168.7	3751.3	4244.8	4701.7	5245.4	5581.3	5930.8	5793.7	4292.8
57.5°	2341.7	2382.8	2515.3	3052.2	3799.3	4571.5	5352.8	5745.8	6300.9	6207.2	4587.5
60°	1973.9	1980.7	2120.1	2458.2	3155.0	4256.2	5416.8	5871.4	6725.8	6602.5	4914.2
62.5°	1501.0	1553.5	1695.2	1962.5	2522.2	3728.5	5439.6	5999.3	7196.5	7098.2	5295.7
65°	939.0	973.2	1137.7	1485.0	1992.2	3031.7	5179.2	6127.3	7644.3	7568.9	5677.2
67.5°	504.9	532.3	651.1	907.0	1430.2	2369.1	4553.2	6088.4	8080.6	8021.2	6026.8
70°	349.5	351.8	379.2	509.5	868.1	1729.4	3701.0	5764.0	8331.9	8240.5	6163.8
72.5°	290.1	294.7	308.4	338.1	466.1	1064.6	2682.1	5138.1	8167.4	8041.8	5873.7
75°	246.7	249.0	262.7	278.7	315.3	562.0	1706.6	4235.6	7322.1	7196.5	4953.0
77.5°	203.3	207.9	219.3	239.9	262.7	322.1	888.7	3294.4	5654.4	5501.3	3260.1
80°	143.9	146.2	159.9	182.8	214.8	226.2	342.7	1973.9	2942.6	2702.7	1242.8
82.5°	84.5	89.1	107.4	125.7	157.6	134.8	159.9	749.3	827.0	742.5	258.2
85°	20.6	25.1	36.6	50.3	64.0	45.7	70.8	146.2	171.3	157.6	48.0
87.5°	2.3	2.3	2.3	2.3	4.6	6.9	11.4	11.4	11.4	9.1	6.9
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°	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1	1229.1
2.5°	1233.7	1210.8	1162.9	1119.5	1087.5	1060.1	1048.6	1023.5	1018.9	1009.8	1012.1
5°	1245.1	1194.8	1110.3	1048.6	1016.6	991.5	977.8	975.5	977.8	975.5	977.8
7.5°	1272.5	1199.4	1092.0	1023.5	1000.7	989.2	984.7	984.7	991.5	989.2	986.9
10°	1311.4	1217.7	1085.2	1021.2	1007.5	1002.9	998.4	1000.7	1002.9	1007.5	991.5
12.5°	1366.2	1240.5	1080.6	1023.5	1007.5	1000.7	993.8	993.8	998.4	989.2	993.8
15°	1409.6	1270.2	1085.2	1016.6	998.4	986.9	975.5	971.0	966.4	964.1	961.8
17.5°	1471.3	1302.2	1080.6	1009.8	980.1	957.2	934.4	925.3	920.7	916.1	913.8
20°	1542.1	1322.8	1073.8	991.5	948.1	913.8	888.7	870.4	854.4	852.2	845.3
22.5°	1601.5	1357.0	1055.5	961.8	907.0	863.6	827.0	808.7	788.2	776.8	769.9
25°	1688.3	1393.6	1028.1	918.4	852.2	811.0	760.8	737.9	715.1	699.1	699.1
27.5°	1745.4	1405.0	998.4	870.4	797.3	733.4	687.7	658.0	637.4	626.0	626.0
30°	1825.4	1432.4	950.4	822.5	733.4	676.2	619.1	591.7	573.4	555.2	548.3
32.5°	1907.6	1450.7	909.3	763.1	671.7	603.1	559.7	543.7	514.0	491.2	486.6
35°	2017.3	1478.1	856.7	703.7	605.4	552.9	534.6	498.0	456.9	434.1	429.5
37.5°	2149.8	1507.8	797.3	637.4	550.6	520.9	511.7	452.3	420.4	411.2	411.2
40°	2300.6	1530.7	733.4	575.7	493.5	502.6	479.8	424.9	404.4	399.8	397.5
42.5°	2460.5	1551.2	674.0	511.7	459.2	475.2	447.8	415.8	397.5	393.0	388.4
45°	2634.1	1555.8	614.6	463.8	429.5	436.4	424.9	404.4	388.4	386.1	383.8
47.5°	2823.8	1560.4	550.6	420.4	411.2	399.8	406.7	388.4	379.2	377.0	374.7
50°	3056.8	1549.0	491.2	393.0	397.5	377.0	386.1	374.7	372.4	367.8	363.3
52.5°	3262.4	1512.4	445.5	379.2	388.4	372.4	370.1	365.5	365.5	356.4	351.8
55°	3458.9	1462.1	415.8	372.4	377.0	365.5	363.3	358.7	356.4	345.0	342.7
57.5°	3643.9	1389.0	397.5	374.7	372.4	361.0	361.0	354.1	342.7	338.1	333.6
60°	3892.9	1327.3	390.7	379.2	367.8	358.7	358.7	347.3	335.8	329.0	326.7
62.5°	4126.0	1261.1	388.4	388.4	370.1	356.4	354.1	342.7	326.7	324.4	319.8
65°	4363.6	1178.9	386.1	399.8	374.7	356.4	349.5	333.6	315.3	315.3	310.7
67.5°	4413.8	1076.0	370.1	402.1	379.2	354.1	340.4	319.8	299.3	303.9	294.7
70°	4247.1	900.1	335.8	386.1	390.7	354.1	324.4	299.3	274.2	294.7	276.4
72.5°	3744.4	710.5	281.0	338.1	381.5	354.1	306.1	271.9	239.9	237.6	221.6
75°	2956.3	477.5	217.0	265.0	347.3	354.1	278.7	237.6	203.3	185.1	185.1
77.5°	1788.8	315.3	166.8	187.3	278.7	326.7	244.5	185.1	153.1	141.6	137.1
80°	589.4	175.9	123.4	130.2	173.6	237.6	207.9	146.2	111.9	98.2	86.8
82.5°	159.9	93.7	80.0	73.1	86.8	175.9	164.5	96.0	68.5	57.1	43.4
85°	38.8	38.8	36.6	32.0	27.4	52.5	64.0	22.8	13.7	6.9	6.9
87.5°	6.9	6.9	6.9	6.9	4.6	2.3	2.3	0.0	2.3	2.3	2.3
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)