

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: P622666

Luminaire Tested: **PRV-M-PA6B-730-U-T2R**

Issue Date: 9/29/2022

Test Information

Test Method: LM-79-08
Report Number: P622666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/29/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-M-PA6B-730-U-T2R
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K LIGHT ENGINES AND TYPE II ROADWAY OPTICS, BRONZE
PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47900 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

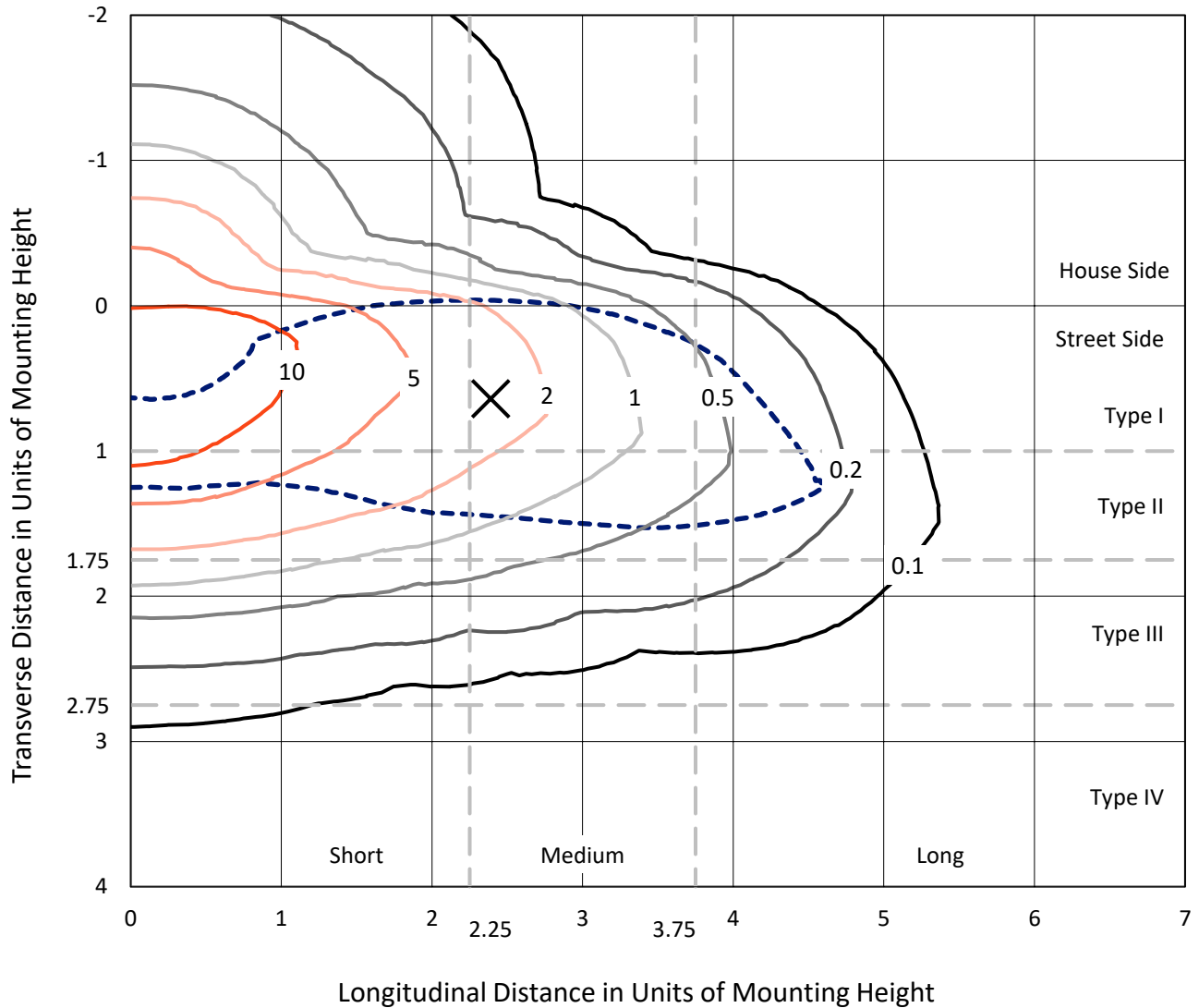
Input Watts (W): 365.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

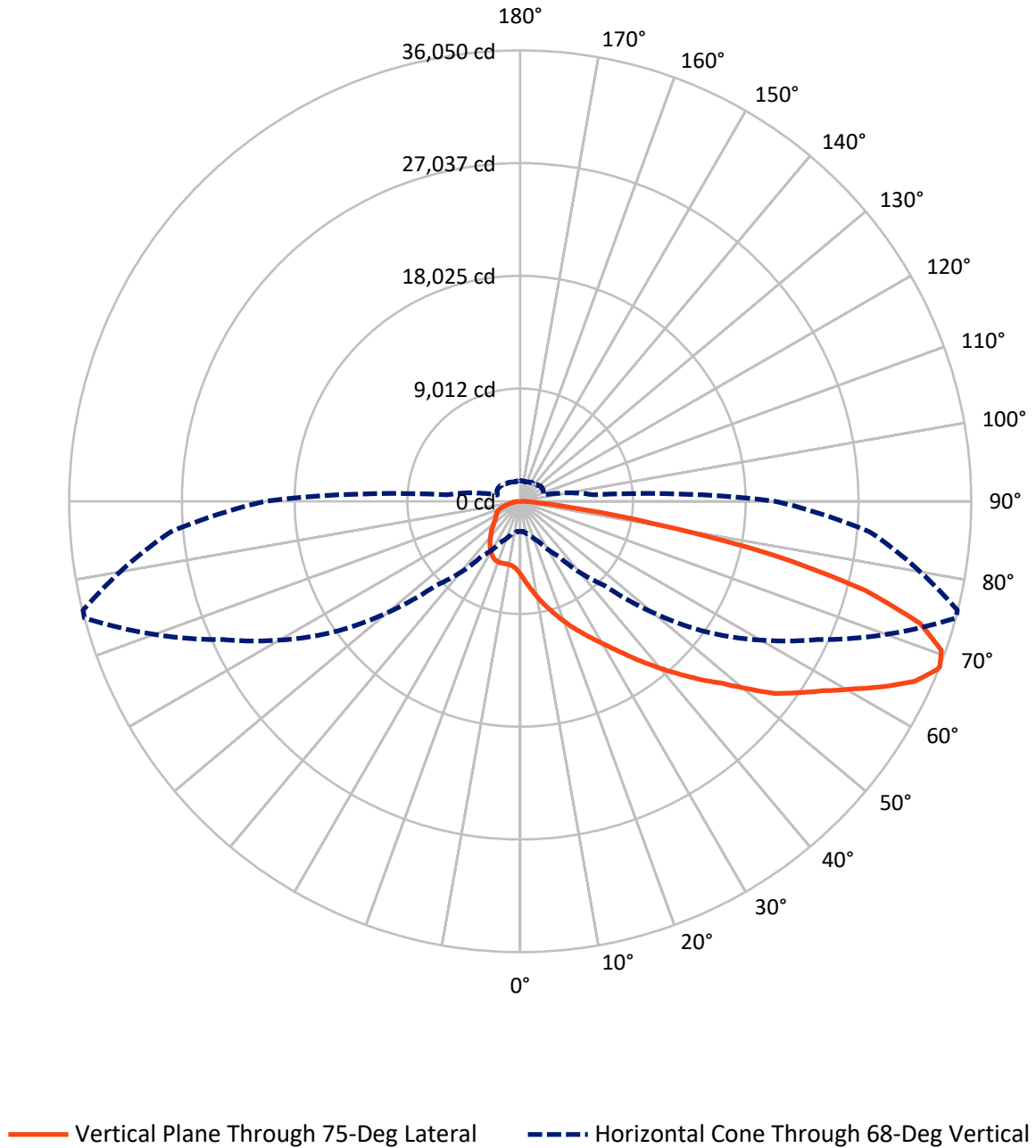
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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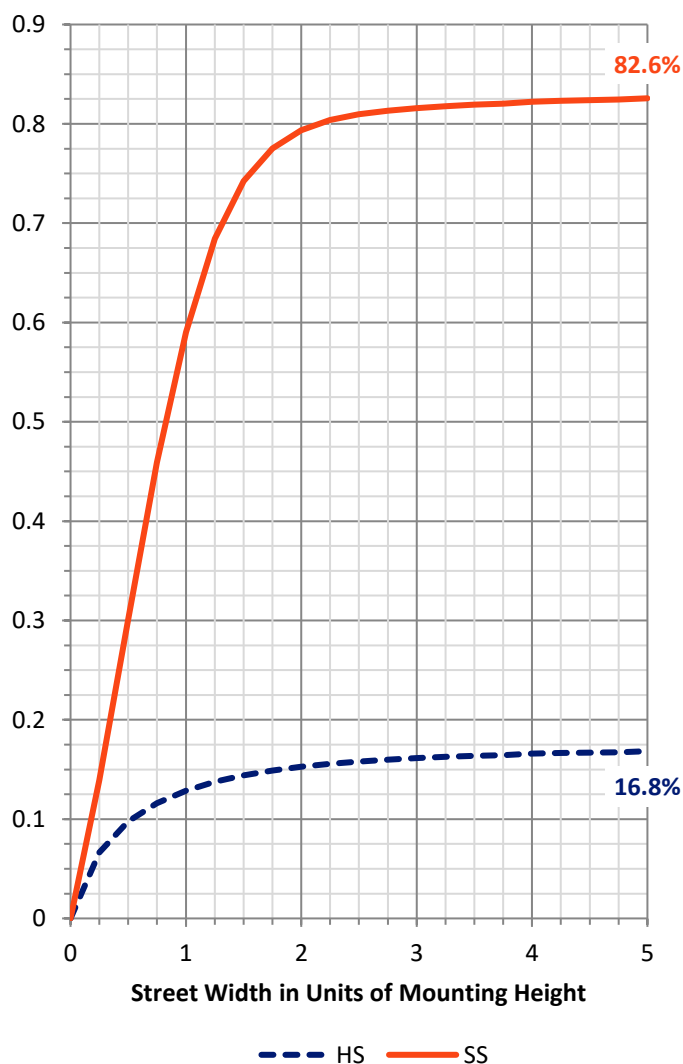
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8199.8	0.0	8199.8
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	39700.2	0.0	39700.2
	% Fixture	82.9	0.0	82.9
Total	Lumens	47900.0	0.0	47900.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.1	1.3
10°-20°	2105.5	4.4
20°-30°	3898.8	8.1
30°-40°	6353.7	13.3
40°-50°	8956.2	18.7
50°-60°	10301.0	21.5
60°-70°	9367.6	19.6
70°-80°	5439.3	11.4
80°-90°	862.8	1.8
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°	47900.0	100.0
0°-180°	47900.0	100.0



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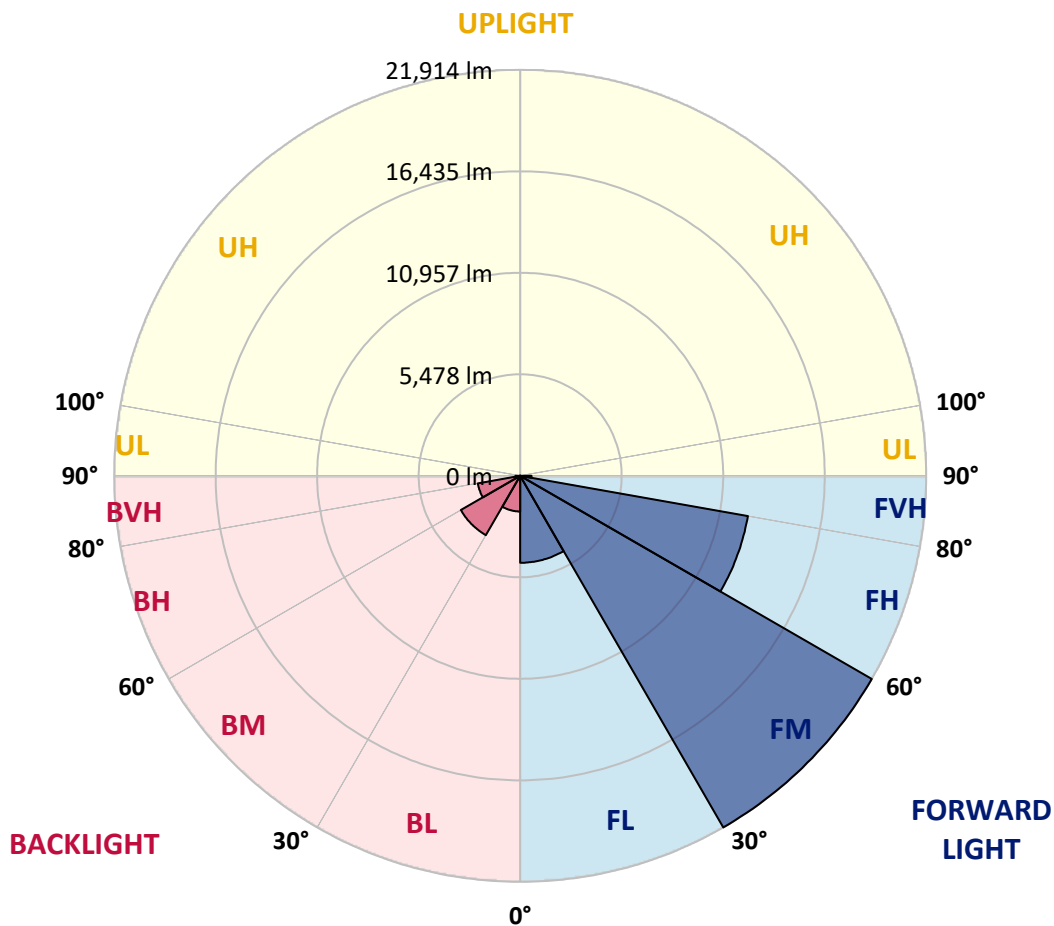
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4693.7	9.8			
FM (30°-60°)	21913.9	45.7			
FH (60°-80°)	12483.0	26.1			G5
FVH (80°-90°)	609.7	1.3			G4/750
BL (0°-30°)	1925.7	4.0	B3/2500		
BM (30°-60°)	3696.9	7.7	B3/5000		
BH (60°-80°)	2324.0	4.9	B3/2500		G3/2500
BVH (80°-90°)	253.1	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	5852.3	5852.3	5852.3	5852.3	5852.3	5852.3	5852.3	5852.3	5852.3	5852.3	5852.3
2.5°	7445.5	7299.3	7278.6	7260.2	7125.5	6920.6	6788.2	6517.7	6285.2	6247.2	6020.4
5°	8501.1	8417.1	8360.7	8305.4	8143.1	7973.9	7648.1	7226.8	6758.3	6692.7	6232.2
7.5°	9105.4	9032.9	9006.4	8971.9	8857.9	8699.1	8395.2	7908.3	7274.0	7204.9	6505.0
10°	9666.0	9567.0	9547.5	9534.8	9458.8	9311.5	9081.3	8580.5	7843.8	7731.0	6853.8
12.5°	10157.6	10079.3	10090.8	10079.3	10056.3	9969.9	9750.1	9253.9	8430.9	8303.1	7215.3
15°	10487.9	10395.9	10477.6	10572.0	10623.8	10629.5	10426.9	9937.7	9005.3	8890.2	7622.8
17.5°	10657.2	10561.6	10684.8	10866.7	11080.8	11187.8	11103.8	10656.0	9651.1	9506.0	8061.4
20°	11001.4	10886.2	10999.0	11171.7	11472.2	11697.8	11777.2	11399.6	10321.0	10156.4	8523.0
22.5°	11740.4	11614.9	11647.1	11711.6	11945.3	12189.3	12359.7	12151.3	11004.8	10828.7	8999.5
25°	13020.4	12906.5	12756.8	12608.3	12653.2	12766.0	12891.5	12897.3	11715.1	11515.9	9493.4
27.5°	14807.0	14536.5	14270.6	13865.4	13622.5	13509.7	13459.0	13630.5	12461.0	12256.1	9974.5
30°	16601.6	16349.5	15959.3	15441.3	14872.6	14527.3	14177.3	14337.3	13267.9	13037.7	10468.4
32.5°	18154.5	17909.3	17512.1	16928.5	16255.1	15777.4	15083.3	15086.7	14201.5	13913.7	11049.7
35°	19519.7	19185.9	18784.1	18176.3	17517.9	16935.4	16148.1	15890.2	15290.5	14967.0	11753.0
37.5°	20546.5	20195.4	19784.5	19185.9	18601.1	18167.1	17316.4	16774.3	16453.1	16151.5	12527.7
40°	21232.6	20880.3	20509.7	19973.3	19486.3	19230.8	18685.1	17775.8	17666.4	17323.4	13380.7
42.5°	21543.4	21203.8	20967.8	20517.7	20155.1	20124.1	19861.6	18901.6	18971.8	18617.2	14317.8
45°	21415.6	21117.5	21003.5	20764.1	20574.1	20784.8	21047.3	20093.0	20352.0	20015.8	15316.9
47.5°	20804.4	20567.2	20646.7	20652.4	20703.1	21247.6	21985.4	21337.3	21746.0	21415.6	16533.7
50°	19528.9	19402.3	19798.3	20182.8	20521.2	21489.3	22849.9	22703.7	23551.0	23181.5	18058.9
52.5°	16740.9	16918.2	18063.5	19029.3	19988.2	21459.4	23540.6	24209.4	25521.7	25156.8	19568.1
55°	13285.2	13480.9	14930.2	17079.3	18921.1	21109.4	23923.9	25282.3	27025.1	26762.6	20909.1
57.5°	10661.8	10790.7	11817.5	14240.6	16990.7	20281.8	24127.7	26096.1	28579.1	28293.6	22447.0
60°	8483.8	8623.1	9387.5	11228.1	14328.1	18738.1	24082.8	26794.9	30481.9	30232.1	24157.6
62.5°	6401.4	6355.4	7018.4	8562.1	11438.8	16362.2	23410.5	27273.7	32623.0	32436.5	25833.7
65°	4072.7	4232.7	4780.6	5980.1	8601.2	13363.5	21773.6	27238.0	34675.5	34584.6	27221.9
67.5°	2636.1	2631.5	2996.4	3935.7	5862.7	10133.4	18949.9	26466.8	35929.1	35895.7	28040.4
68°	2416.2	2415.1	2730.5	3572.0	5366.6	9489.9	18243.1	26180.2	36049.9	36012.0	28042.7
70°	1899.4	1897.1	2036.3	2408.2	3680.2	7011.5	14846.1	24490.3	35718.4	35710.4	27419.9
72.5°	1642.7	1638.1	1679.5	1767.0	2264.3	4468.7	10368.2	21149.7	33420.8	33302.2	25303.0
75°	1475.7	1470.0	1495.3	1490.7	1642.7	2733.9	6409.5	17074.7	28490.5	28123.3	19843.2
77.5°	1304.2	1297.3	1321.5	1319.2	1390.6	1836.1	3521.3	12228.5	20736.5	19532.4	12299.8
80°	1110.8	1105.1	1133.9	1140.8	1220.2	1381.4	1819.9	7566.4	10794.1	9847.9	5159.4
82.5°	880.6	889.8	940.5	958.9	1040.6	1002.6	1130.4	3520.2	3886.2	3414.3	1581.7
85°	556.0	583.6	711.4	740.2	804.6	641.2	780.5	1427.4	1253.6	1131.6	417.9
87.5°	207.2	230.2	407.5	411.0	409.8	259.0	398.3	504.2	402.9	364.9	130.1
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°	5852.3	5852.3	5852.3	5852.3	5852.3	5852.3	5852.3	5852.3	5852.3	5852.3	5852.3
2.5°	5913.4	5767.2	5549.6	5349.3	5184.7	5054.6	4924.5	4872.7	4820.9	4812.9	4758.8
5°	5990.5	5730.3	5322.8	5013.2	4799.1	4650.6	4556.2	4514.7	4487.1	4476.7	4429.5
7.5°	6130.9	5751.0	5190.4	4830.1	4637.9	4549.3	4518.2	4514.7	4513.6	4515.9	4462.9
10°	6335.8	5837.4	5139.8	4771.4	4632.1	4590.7	4590.7	4602.2	4602.2	4610.3	4558.5
12.5°	6568.3	5944.4	5126.0	4780.6	4680.5	4649.4	4644.8	4652.9	4641.4	4643.7	4591.9
15°	6826.2	6072.2	5138.6	4809.4	4710.4	4663.2	4628.7	4612.6	4581.5	4567.7	4520.5
17.5°	7116.3	6221.9	5159.4	4817.5	4687.4	4604.5	4525.1	4469.8	4422.6	4416.9	4360.5
20°	7430.5	6383.0	5167.4	4777.2	4599.9	4468.7	4350.1	4268.4	4199.3	4169.4	4129.1
22.5°	7772.4	6545.3	5128.3	4659.8	4438.8	4267.2	4119.9	4012.8	3915.0	3880.5	3828.7
25°	8121.2	6693.8	5039.6	4499.8	4222.3	4024.4	3836.7	3697.4	3585.8	3539.7	3492.5
27.5°	8459.7	6810.1	4896.9	4289.1	3985.2	3755.0	3534.0	3364.8	3248.5	3210.5	3170.2
30°	8796.9	6905.6	4693.2	4061.2	3743.5	3479.9	3241.6	3078.1	2978.0	2917.0	2877.8
32.5°	9204.4	7002.3	4489.4	3826.4	3494.8	3209.4	3003.3	2876.7	2752.4	2679.8	2644.1
35°	9679.9	7110.5	4252.3	3586.9	3238.1	2979.1	2853.7	2689.0	2540.5	2485.3	2456.5
37.5°	10235.8	7215.3	4005.9	3346.3	2990.6	2832.9	2731.6	2530.2	2417.4	2385.1	2364.4
40°	10857.5	7310.8	3717.0	3109.2	2766.2	2725.9	2598.1	2436.9	2350.6	2308.0	2285.0
42.5°	11538.9	7389.1	3481.0	2860.6	2590.0	2596.9	2483.0	2389.7	2268.9	2218.2	2198.7
45°	12311.3	7507.7	3258.8	2615.4	2441.5	2441.5	2399.0	2301.1	2195.2	2164.1	2151.5
47.5°	13317.4	7672.3	3025.2	2409.3	2339.1	2301.1	2308.0	2187.1	2138.8	2108.9	2098.5
50°	14475.5	7804.7	2788.0	2266.6	2268.9	2215.9	2173.3	2116.9	2083.5	2051.3	2030.6
52.5°	15540.3	7807.0	2595.8	2187.1	2204.4	2156.1	2067.4	2051.3	2028.3	1976.5	1960.4
55°	16536.0	7766.7	2432.3	2145.7	2145.7	2092.8	2008.7	1994.9	1965.0	1914.3	1904.0
57.5°	17672.1	7721.8	2312.6	2131.9	2111.2	2012.2	1965.0	1947.7	1899.4	1869.4	1859.1
60°	18899.3	7655.0	2224.0	2134.2	2091.6	1947.7	1927.0	1900.5	1851.0	1829.1	1819.9
62.5°	20127.5	7461.6	2151.5	2142.3	2080.1	1914.3	1889.0	1854.5	1801.5	1784.3	1775.0
65°	20790.6	6952.8	2061.7	2133.0	2066.3	1894.8	1846.4	1799.2	1727.8	1720.9	1707.1
67.5°	20585.7	6109.0	1921.2	2065.1	2046.7	1868.3	1791.2	1715.2	1627.7	1656.5	1642.7
68°	20400.3	5903.0	1885.6	2042.1	2039.8	1862.5	1778.5	1694.5	1607.0	1645.0	1621.9
70°	19158.3	5025.8	1710.6	1910.9	1984.5	1838.4	1714.0	1610.4	1511.4	1582.8	1547.1
72.5°	16446.2	3873.6	1436.6	1674.9	1844.1	1796.9	1628.8	1479.2	1368.7	1373.3	1329.6
75°	12225.0	2678.7	1154.6	1352.6	1624.2	1739.4	1528.7	1336.5	1198.3	1152.3	1133.9
77.5°	6685.8	1747.4	901.3	1026.8	1312.3	1588.6	1406.7	1179.9	1022.2	978.5	954.3
80°	2775.4	1037.2	698.7	757.4	910.5	1356.0	1316.9	1018.8	842.6	805.8	772.4
82.5°	918.6	635.4	518.0	513.4	595.1	1056.7	1161.5	802.3	646.9	673.4	557.1
85°	321.2	333.8	326.9	308.5	332.7	619.3	859.9	534.1	421.3	344.2	323.5
87.5°	89.8	120.9	122.0	96.7	99.0	142.7	387.9	244.0	148.5	99.0	87.5
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)