

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: P511237

Luminaire Tested: **PRV-P-PA1C-730-U-T4W**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511237
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1C-730-U-T4W
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8346 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

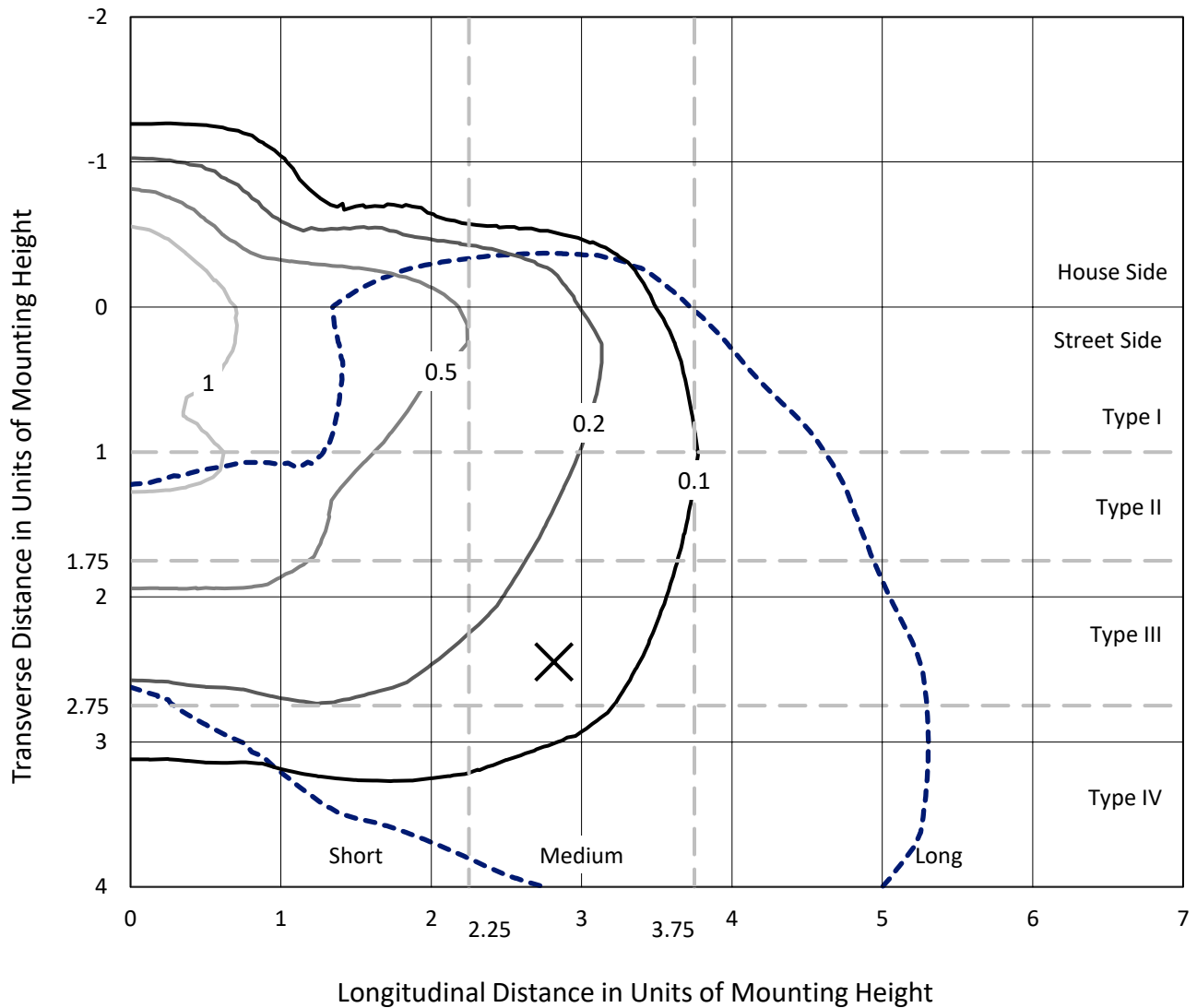
Input Watts (W): 72.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

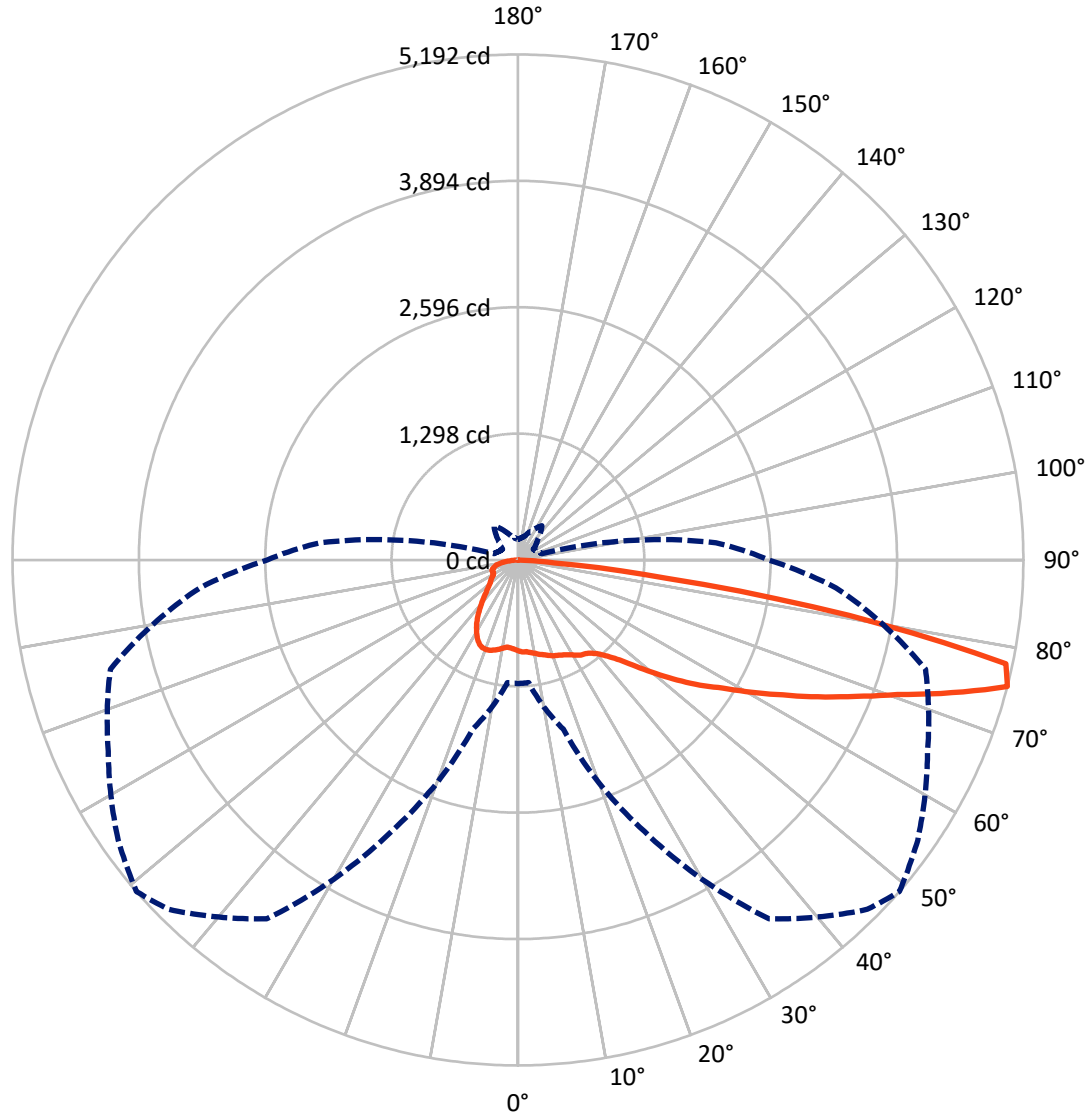
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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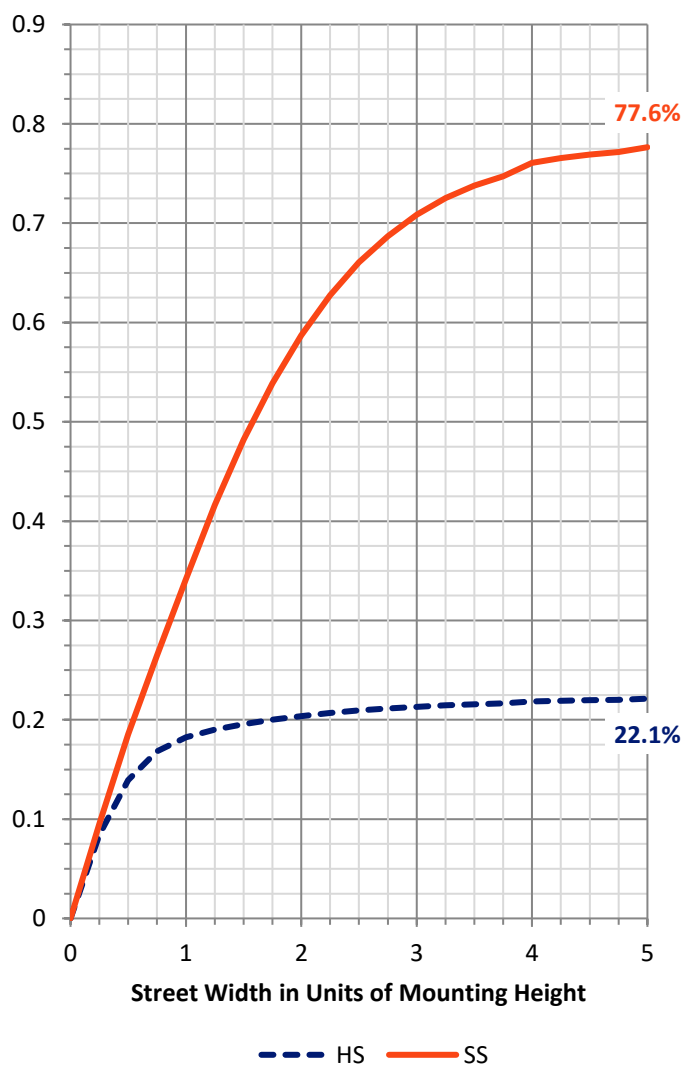
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1869.2	0.0	1869.2
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	6476.8	0.0	6476.8
	% Fixture	77.6	0.0	77.6
Total	Lumens	8346.0	0.0	8346.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	1.1
10°-20°	281.6	3.4
20°-30°	474.1	5.7
30°-40°	642.4	7.7
40°-50°	942.8	11.3
50°-60°	1502.3	18.0
60°-70°	2188.0	26.2
70°-80°	1979.7	23.7
80°-90°	245.2	2.9
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°	8346.0	100.0
0°-180°	8346.0	100.0

Coefficient of Utilization

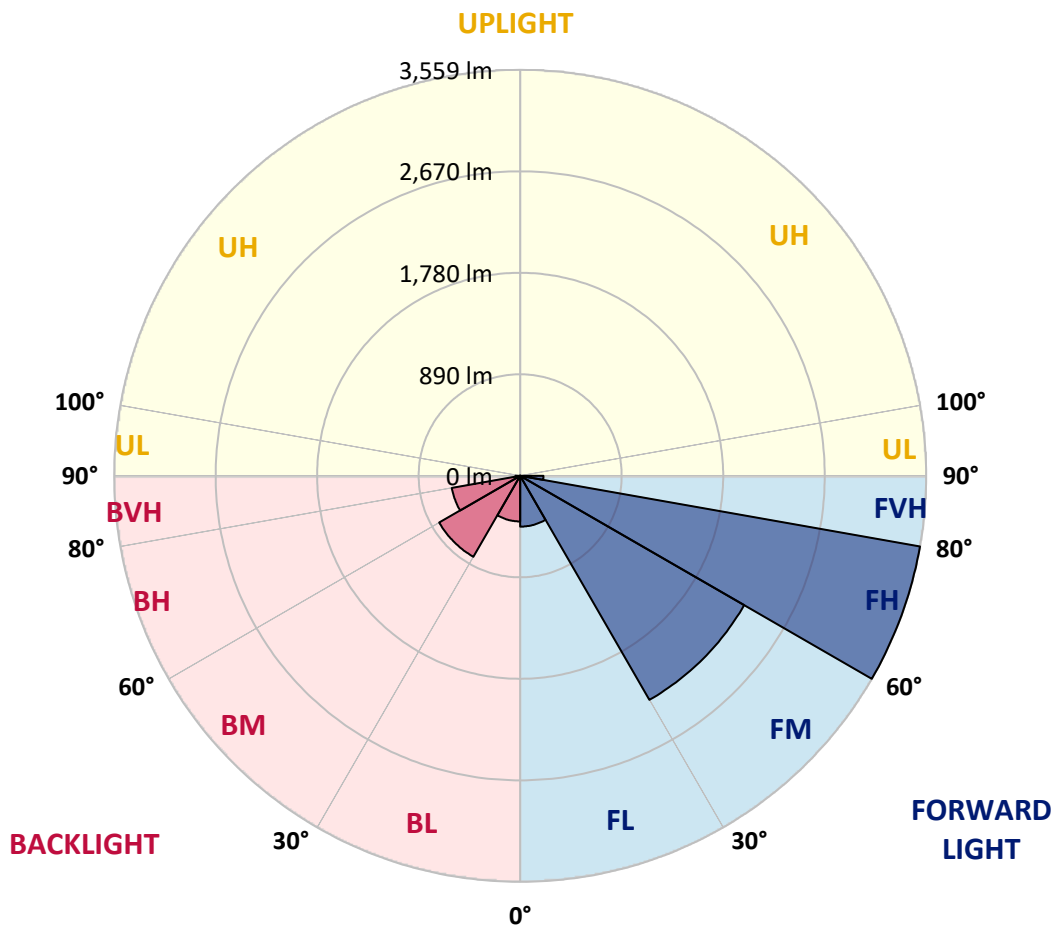


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	445.5	5.3			
FM (30°-60°)	2267.8	27.2			
FH (60°-80°)	3559.5	42.6			G2/5000
FVH (80°-90°)	204.0	2.4			G2/225
BL (0°-30°)	400.1	4.8	B1/500		
BM (30°-60°)	819.6	9.8	B1/1000		
BH (60°-80°)	608.2	7.3	B2/1000		G2/1000
BVH (80°-90°)	41.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7
2.5°	963.5	959.7	955.8	955.8	950.1	948.2	946.2	944.3	932.8	934.7	927.0
5°	994.2	988.5	984.6	980.8	969.3	952.0	946.2	944.3	925.1	913.6	907.9
7.5°	1038.4	1040.3	1019.2	1007.7	996.1	967.4	961.6	946.2	925.1	909.8	900.2
10°	1084.4	1078.7	1061.4	1040.3	1017.3	984.6	975.0	961.6	944.3	923.2	911.7
12.5°	1117.1	1111.3	1090.2	1063.3	1030.7	1001.9	996.1	986.5	959.7	936.6	925.1
15°	1136.3	1142.0	1117.1	1078.7	1042.2	1021.1	1009.6	1003.8	980.8	955.8	934.7
17.5°	1157.4	1155.4	1140.1	1094.0	1061.4	1036.4	1030.7	1021.1	992.3	969.3	948.2
20°	1167.0	1174.6	1161.2	1109.4	1071.0	1048.0	1049.9	1042.2	1015.3	986.5	963.5
22.5°	1172.7	1176.6	1170.8	1119.0	1082.5	1065.2	1063.3	1057.6	1030.7	1005.7	978.9
25°	1170.8	1172.7	1182.3	1120.9	1094.0	1080.6	1080.6	1072.9	1051.8	1028.8	1001.9
27.5°	1172.7	1168.9	1182.3	1126.7	1109.4	1103.6	1101.7	1099.8	1088.3	1055.6	1026.9
30°	1165.0	1176.6	1180.4	1134.3	1132.4	1130.5	1132.4	1134.3	1120.9	1086.4	1055.6
32.5°	1167.0	1163.1	1182.3	1143.9	1145.9	1161.2	1167.0	1163.1	1142.0	1113.2	1084.4
35°	1199.6	1209.2	1213.0	1161.2	1159.3	1168.9	1182.3	1178.5	1172.7	1151.6	1134.3
37.5°	1370.4	1378.1	1357.0	1232.2	1197.7	1195.8	1213.0	1216.9	1220.7	1211.1	1207.3
40°	1637.2	1627.6	1623.8	1385.8	1264.9	1251.4	1266.8	1286.0	1291.7	1297.5	1307.1
42.5°	1927.0	1938.5	1940.5	1602.7	1422.2	1341.6	1349.3	1374.3	1406.9	1414.6	1456.8
45°	2188.1	2209.2	2251.4	1890.6	1637.2	1491.3	1464.5	1485.6	1541.2	1589.2	1658.3
47.5°	2372.3	2385.8	2452.9	2191.9	1907.8	1650.6	1631.4	1631.4	1710.1	1775.4	1892.5
50°	2556.6	2548.9	2575.8	2500.9	2282.1	1888.6	1833.0	1817.6	1921.3	2013.4	2145.8
52.5°	2696.7	2710.1	2752.3	2783.1	2602.6	2147.8	2047.9	2007.6	2140.1	2251.4	2435.7
55°	2796.5	2802.3	2898.2	3019.1	2909.7	2378.1	2268.7	2239.9	2397.3	2523.9	2767.7
57.5°	2930.8	2973.1	3082.5	3303.2	3284.0	2595.0	2481.7	2504.8	2662.1	2800.3	3142.0
60°	3178.4	3165.0	3291.7	3589.2	3483.6	2829.1	2756.2	2769.6	2928.9	3120.9	3602.6
62.5°	3285.9	3291.7	3468.3	3951.9	3760.0	3080.6	3053.7	3084.4	3236.0	3426.0	4184.2
65°	3134.3	3176.5	3570.0	4001.8	4034.5	3406.8	3387.7	3435.6	3543.1	3792.6	4665.9
67.5°	2727.4	2777.3	3416.4	4126.6	4262.9	3744.7	3737.0	3767.7	3836.8	4086.3	4990.3
70°	2518.2	2568.1	2994.2	4180.3	4447.1	4145.8	4136.2	4122.8	4168.8	4370.4	5032.5
72.5°	2155.4	2178.5	2564.3	3957.7	4614.1	4627.6	4662.1	4558.5	4481.7	4543.1	4533.5
75°	1268.7	1264.9	1798.4	3076.7	4499.0	5074.8	5191.8	5013.3	4642.9	4333.9	3278.2
77.5°	437.6	420.3	612.3	1403.0	3266.7	4909.7	5124.7	4861.7	4220.6	3428.0	1825.3
80°	122.8	132.4	197.7	468.3	1522.0	3028.7	3451.0	3642.9	2752.3	1441.4	545.1
82.5°	55.7	57.6	103.6	191.9	562.4	1485.6	1539.3	1305.2	930.9	364.7	134.4
85°	15.4	15.4	32.6	69.1	191.9	343.6	376.2	330.1	191.9	122.8	46.1
87.5°	1.9	1.9	1.9	3.8	5.8	9.6	7.7	21.1	17.3	15.4	7.7
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°	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7	934.7
2.5°	929.0	927.0	923.2	921.3	919.4	919.4	919.4	921.3	917.4	925.1	925.1
5°	905.9	904.0	898.3	902.1	902.1	909.8	913.6	917.4	923.2	927.0	929.0
7.5°	896.3	898.3	896.3	892.5	896.3	904.0	919.4	932.8	938.6	944.3	946.2
10°	907.9	907.9	902.1	909.8	911.7	919.4	930.9	946.2	963.5	969.3	969.3
12.5°	915.5	917.4	913.6	929.0	932.8	942.4	950.1	957.8	973.1	982.7	984.6
15°	925.1	923.2	929.0	942.4	950.1	957.8	963.5	959.7	975.0	982.7	982.7
17.5°	938.6	940.5	948.2	965.4	969.3	971.2	969.3	959.7	971.2	978.9	982.7
20°	952.0	955.8	967.4	980.8	980.8	973.1	965.4	955.8	961.6	971.2	978.9
22.5°	969.3	975.0	982.7	992.3	982.7	965.4	955.8	946.2	952.0	967.4	973.1
25°	984.6	990.4	990.4	986.5	961.6	946.2	942.4	942.4	944.3	961.6	963.5
27.5°	1011.5	1011.5	998.1	971.2	927.0	902.1	911.7	919.4	936.6	950.1	953.9
30°	1040.3	1032.6	1005.7	946.2	877.1	852.2	863.7	884.8	907.9	927.0	938.6
32.5°	1076.8	1071.0	1017.3	917.4	823.4	790.8	802.3	833.0	865.6	888.7	892.5
35°	1130.5	1117.1	1028.8	879.1	754.3	723.6	729.4	763.9	798.4	823.4	836.8
37.5°	1199.6	1186.2	1038.4	829.2	683.3	650.7	648.7	681.4	708.2	731.3	740.9
40°	1318.6	1286.0	1048.0	765.8	614.2	575.8	575.8	587.3	596.9	612.3	619.9
42.5°	1470.2	1412.6	1063.3	692.9	547.0	512.5	499.0	504.8	493.3	479.8	481.8
45°	1675.6	1575.8	1094.0	618.0	485.6	454.9	443.4	428.0	405.0	380.0	382.0
47.5°	1915.5	1752.4	1115.1	550.9	431.9	408.8	397.3	378.1	345.5	318.6	316.7
50°	2191.9	1946.2	1142.0	491.4	383.9	378.1	370.4	341.6	305.2	280.2	276.4
52.5°	2481.7	2134.3	1168.9	447.2	351.2	360.8	347.4	316.7	276.4	251.4	249.5
55°	2809.9	2374.2	1222.6	401.1	326.3	341.6	332.0	297.5	257.2	239.9	238.0
57.5°	3195.7	2627.6	1305.2	364.7	305.2	316.7	314.8	284.1	257.2	245.7	245.7
60°	3600.7	2953.9	1345.5	337.8	284.1	297.5	312.9	289.8	270.6	261.0	259.1
62.5°	3998.0	3262.9	1224.5	314.8	268.7	291.7	322.5	314.8	286.0	284.1	282.1
65°	4295.5	3493.2	927.0	291.7	257.2	303.3	364.7	339.7	297.5	293.7	291.7
67.5°	4441.4	3610.3	619.9	274.5	247.6	316.7	403.1	351.2	291.7	282.1	272.5
70°	4261.0	3428.0	412.7	253.4	232.2	310.9	428.0	353.2	280.2	266.8	253.4
72.5°	3639.1	2957.7	314.8	234.2	216.9	299.4	433.8	343.6	268.7	241.8	232.2
75°	2577.7	2040.3	253.4	211.1	191.9	284.1	429.9	328.2	249.5	220.7	213.0
77.5°	1312.8	915.5	197.7	182.3	163.1	266.8	412.7	268.7	188.1	163.1	159.3
80°	364.7	272.5	153.5	144.0	126.7	220.7	316.7	215.0	151.6	134.4	126.7
82.5°	126.7	115.2	105.6	92.1	90.2	178.5	272.5	174.7	111.3	82.5	80.6
85°	46.1	44.1	49.9	49.9	51.8	92.1	142.0	78.7	48.0	34.5	32.6
87.5°	5.8	5.8	7.7	5.8	7.7	1.9	1.9	1.9	1.9	1.9	1.9
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)