

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: P511316

Luminaire Tested: **PRV-P-PA1D-740-U-T3**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1D-740-U-T3
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11145 lumens
Efficiency: N/A
Efficacy: 119.3 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

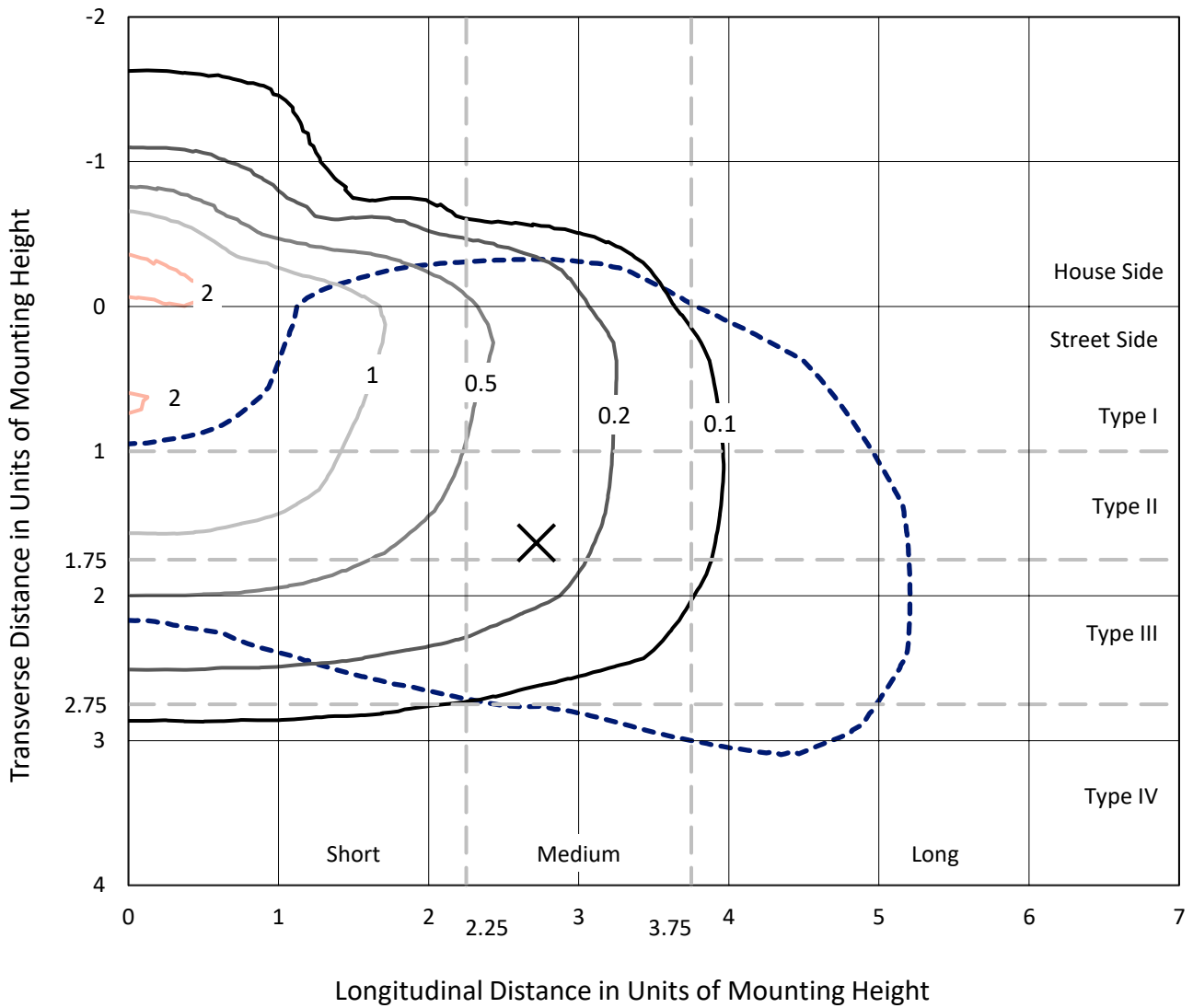
Input Watts (W): 93.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

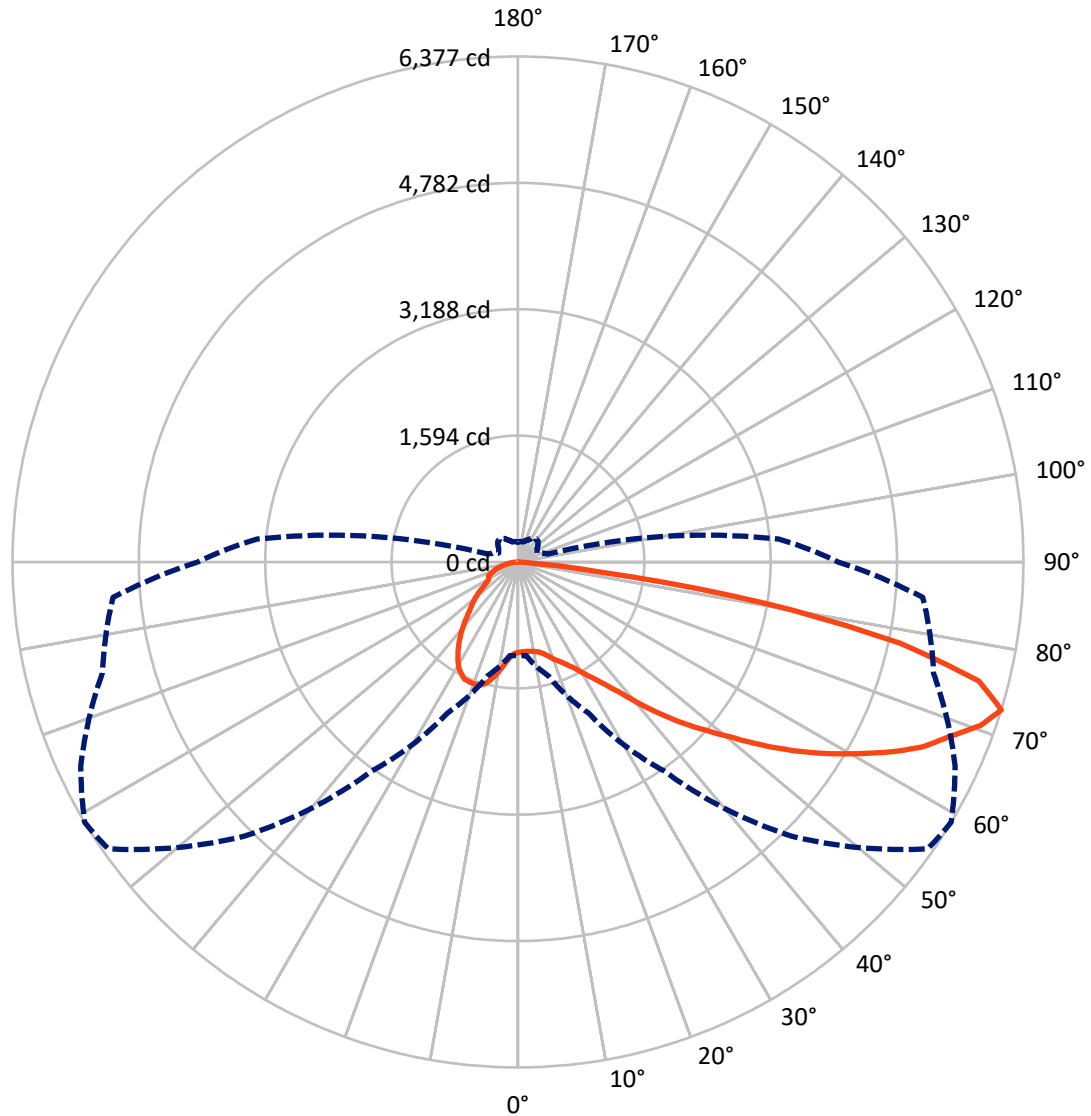
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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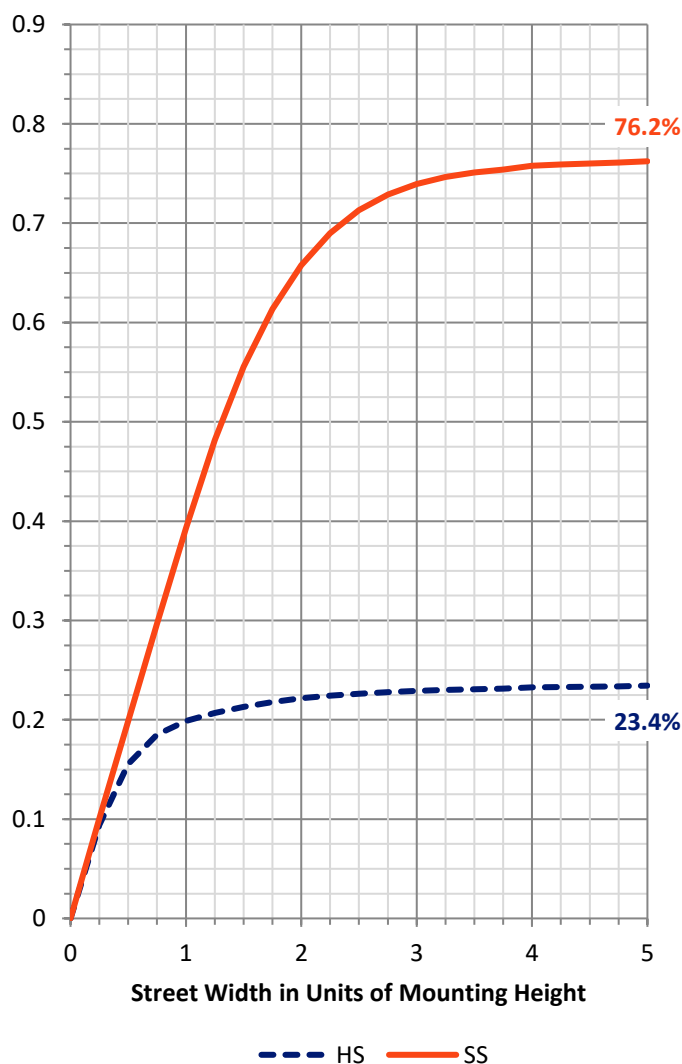
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2636.5	0.0	2636.5
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	8508.4	0.0	8508.4
	% Fixture	76.3	0.0	76.3
Total	Lumens	11145.0	0.0	11145.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.1	1.0
10°-20°	376.1	3.4
20°-30°	694.5	6.2
30°-40°	1056.7	9.5
40°-50°	1592.5	14.3
50°-60°	2366.0	21.2
60°-70°	2815.8	25.3
70°-80°	1905.8	17.1
80°-90°	223.5	2.0
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°	11145.0	100.0
0°-180°	11145.0	100.0

Coefficient of Utilization



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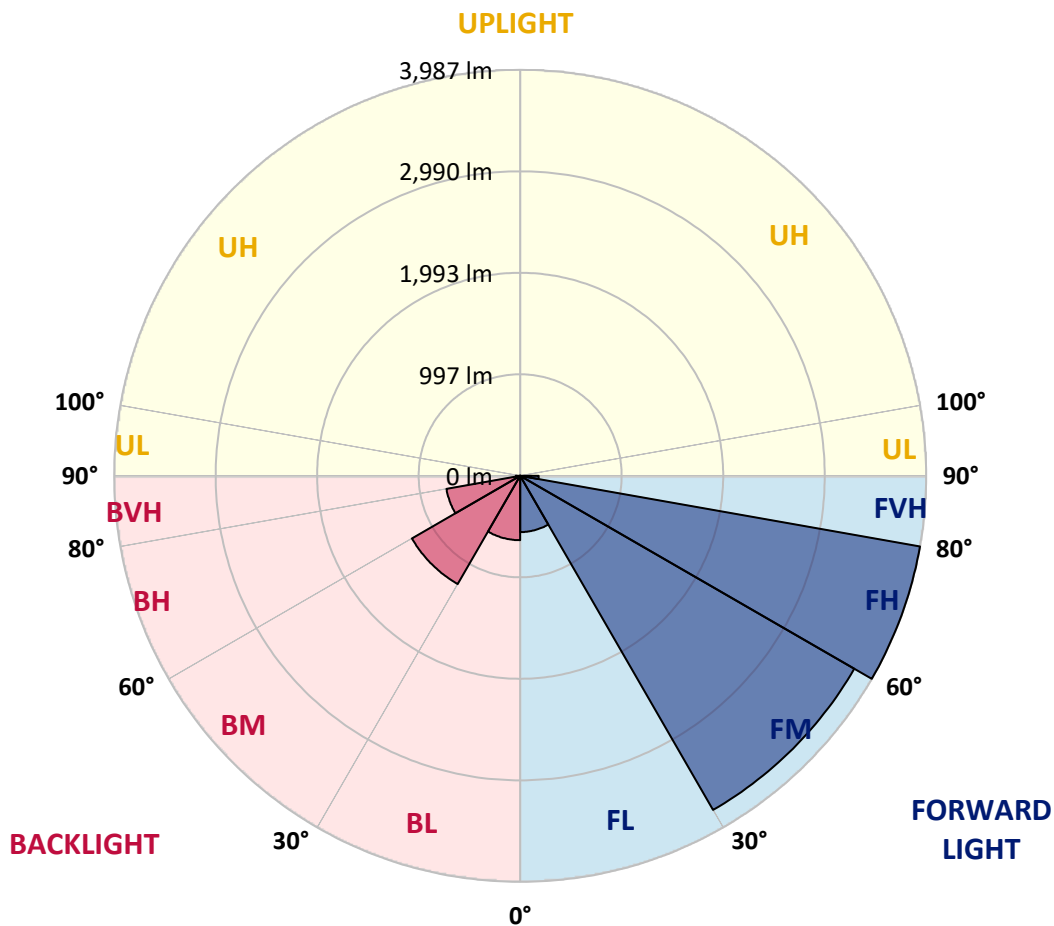
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	552.3	5.0			
FM (30°-60°)	3787.9	34.0			
FH (60°-80°)	3986.5	35.8			G2/5000
FVH (80°-90°)	181.7	1.6			G2/225
BL (0°-30°)	632.3	5.7	B2/1000		
BM (30°-60°)	1227.3	11.0	B2/2500		
BH (60°-80°)	735.1	6.6	B2/1000		G2/1000
BVH (80°-90°)	41.8	0.4			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°	55°	59°	65°	75°	85°
0°	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4
2.5°	1128.8	1133.8	1131.3	1131.3	1133.8	1133.8	1138.8	1133.8	1141.4	1138.8	1136.3
5°	1083.7	1081.1	1086.2	1093.7	1103.7	1121.3	1131.3	1133.8	1138.8	1146.4	1146.4
7.5°	998.4	1000.9	1010.9	1028.5	1056.1	1096.2	1136.3	1138.8	1153.9	1171.5	1181.5
10°	978.3	980.8	985.8	1010.9	1038.5	1083.7	1136.3	1148.9	1176.5	1204.1	1229.1
12.5°	968.3	973.3	978.3	1008.4	1048.5	1093.7	1148.9	1163.9	1204.1	1249.2	1286.8
15°	975.8	978.3	985.8	1010.9	1053.6	1113.8	1174.0	1199.0	1239.2	1296.9	1344.5
17.5°	1005.9	1005.9	1000.9	1023.5	1061.1	1136.3	1214.1	1249.2	1291.9	1352.1	1412.3
20°	1078.6	1078.6	1068.6	1056.1	1081.1	1156.4	1264.3	1309.4	1359.6	1422.3	1480.0
22.5°	1229.1	1226.6	1196.5	1151.4	1141.4	1194.0	1316.9	1367.1	1434.8	1500.1	1550.2
25°	1449.9	1449.9	1397.2	1322.0	1269.3	1264.3	1372.1	1434.8	1520.1	1582.8	1615.5
27.5°	1703.2	1693.2	1623.0	1537.7	1437.3	1382.2	1457.4	1515.1	1612.9	1675.7	1683.2
30°	1901.4	1911.4	1846.2	1728.3	1610.4	1537.7	1565.3	1628.0	1733.3	1781.0	1763.5
32.5°	2144.7	2119.7	2064.5	1954.1	1818.6	1715.8	1710.8	1748.4	1838.7	1896.4	1848.7
35°	2307.8	2300.3	2262.6	2164.8	2021.8	1914.0	1858.8	1901.4	1986.7	2014.3	1956.6
37.5°	2478.4	2483.4	2458.3	2368.0	2247.6	2102.1	2062.0	2084.5	2172.3	2187.4	2112.1
40°	2711.6	2716.7	2701.6	2611.3	2463.3	2352.9	2317.8	2340.4	2420.7	2418.2	2305.3
42.5°	3005.1	3007.6	3015.2	2879.7	2721.7	2613.8	2591.2	2606.3	2696.6	2666.5	2546.1
45°	3383.9	3366.4	3373.9	3243.4	3052.8	2934.9	2897.3	2887.2	2950.0	2950.0	2819.5
47.5°	3672.4	3684.9	3702.5	3612.2	3449.1	3348.8	3203.3	3165.7	3223.4	3240.9	3108.0
50°	3925.7	3963.4	3953.3	3975.9	3843.0	3802.8	3547.0	3466.7	3539.4	3549.5	3424.1
52.5°	4088.8	4159.0	4171.6	4256.9	4292.0	4344.7	3898.2	3827.9	3858.0	3860.5	3757.7
55°	4086.3	4144.0	4287.0	4482.6	4665.7	4803.7	4276.9	4196.7	4194.2	4194.2	4123.9
57.5°	4013.5	4051.2	4317.1	4567.9	4919.1	5139.8	4663.2	4560.4	4517.7	4522.8	4515.2
60°	3812.9	3878.1	4246.8	4590.5	5114.8	5365.6	4976.8	4909.1	4871.4	4793.7	4979.3
62.5°	3624.7	3644.8	3985.9	4532.8	5147.4	5463.4	5340.5	5277.8	5235.2	5082.1	5353.1
65°	3230.9	3243.4	3567.0	4219.2	5027.0	5526.1	5651.6	5616.5	5526.1	5348.0	5661.6
67.5°	2676.5	2716.7	2987.6	3740.1	4705.9	5553.7	5897.4	5872.3	5759.4	5465.9	5799.6
70°	1976.7	2009.3	2342.9	3012.7	4151.5	5408.2	6213.5	6185.9	5955.1	5521.1	5639.0
72.5°	1179.0	1186.5	1487.5	2097.1	3220.9	4894.0	6311.3	6376.5	6085.5	5428.3	5127.3
75°	481.6	451.5	587.0	1008.4	1969.1	3619.7	5857.3	6007.8	5940.0	5087.2	4234.3
77.5°	225.8	223.3	298.5	519.3	832.8	1863.8	4720.9	4921.6	5034.5	4374.8	3213.3
80°	127.9	130.4	170.6	263.4	476.6	499.2	2814.5	3180.7	3233.4	2791.9	1848.7
82.5°	105.4	105.4	115.4	145.5	268.4	223.3	511.7	1010.9	1437.3	1266.8	667.3
85°	40.1	42.6	50.2	60.2	125.4	85.3	110.4	153.0	255.9	356.2	60.2
87.5°	2.5	2.5	2.5	5.0	5.0	7.5	10.0	12.5	10.0	12.5	10.0
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°	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4
2.5°	1143.9	1146.4	1148.9	1151.4	1156.4	1163.9	1168.9	1168.9	1174.0	1181.5	1184.0
5°	1151.4	1158.9	1168.9	1184.0	1204.1	1224.1	1246.7	1259.2	1269.3	1279.3	1279.3
7.5°	1186.5	1196.5	1224.1	1254.2	1294.4	1327.0	1347.0	1372.1	1384.7	1394.7	1394.7
10°	1246.7	1256.7	1306.9	1359.6	1404.7	1442.4	1452.4	1459.9	1470.0	1480.0	1467.5
12.5°	1301.9	1337.0	1394.7	1452.4	1512.6	1525.1	1510.1	1470.0	1449.9	1447.4	1437.3
15°	1367.1	1409.8	1490.0	1547.7	1595.4	1555.2	1472.5	1462.4	1472.5	1492.5	1495.0
17.5°	1442.4	1475.0	1567.8	1638.0	1615.5	1525.1	1522.6	1522.6	1527.7	1530.2	1522.6
20°	1502.6	1557.8	1658.1	1698.2	1590.4	1557.8	1540.2	1520.1	1512.6	1512.6	1510.1
22.5°	1575.3	1620.5	1728.3	1703.2	1585.3	1555.2	1512.6	1487.5	1487.5	1500.1	1495.0
25°	1638.0	1703.2	1798.6	1683.2	1582.8	1512.6	1464.9	1454.9	1459.9	1480.0	1475.0
27.5°	1700.7	1776.0	1838.7	1658.1	1525.1	1437.3	1407.2	1404.7	1379.7	1384.7	1379.7
30°	1786.0	1846.2	1841.2	1648.1	1434.8	1362.1	1332.0	1259.2	1221.6	1241.7	1241.7
32.5°	1856.3	1921.5	1821.1	1570.3	1337.0	1289.4	1174.0	1101.2	1088.7	1101.2	1116.3
35°	1964.1	2019.3	1808.6	1464.9	1236.7	1151.4	1010.9	963.3	950.7	958.2	965.8
37.5°	2117.1	2137.2	1856.3	1332.0	1146.4	975.8	875.5	840.3	807.7	777.6	787.7
40°	2310.3	2287.7	1911.4	1231.7	1023.5	830.3	775.1	732.5	672.3	627.1	624.6
42.5°	2523.5	2428.2	1916.5	1146.4	883.0	732.5	682.3	629.6	566.9	516.7	511.7
45°	2771.9	2613.8	1876.3	1071.1	747.5	664.7	609.6	546.8	486.6	446.5	449.0
47.5°	3065.3	2807.0	1821.1	985.8	664.7	602.0	539.3	484.1	436.5	403.9	406.4
50°	3381.4	2992.6	1758.4	885.5	597.0	539.3	484.1	439.0	401.4	378.8	376.3
52.5°	3722.6	3203.3	1730.8	760.1	536.8	494.2	446.5	413.9	378.8	346.2	338.6
55°	4093.8	3401.5	1748.4	612.1	479.1	454.0	426.4	386.3	386.3	376.3	368.7
57.5°	4429.9	3594.6	1816.1	516.7	434.0	439.0	421.4	464.1	476.6	461.6	454.0
60°	4741.0	3792.8	1813.6	446.5	411.4	476.6	531.8	516.7	444.0	413.9	403.9
62.5°	4954.2	3960.9	1607.9	396.3	428.9	569.4	546.8	459.0	393.8	381.3	373.8
65°	5089.7	4036.1	1206.6	368.7	444.0	536.8	489.2	408.9	363.7	366.2	363.7
67.5°	5029.5	3978.4	820.3	331.1	393.8	461.6	444.0	376.3	331.1	351.2	343.7
70°	4693.3	3765.2	539.3	301.0	348.7	413.9	408.9	341.2	301.0	308.5	298.5
72.5°	4041.1	3303.6	388.8	265.9	296.0	361.2	371.3	308.5	263.4	258.4	250.8
75°	3233.4	2548.6	286.0	230.8	245.8	303.5	326.1	270.9	230.8	218.2	213.2
77.5°	2325.3	1650.6	218.2	190.6	198.2	248.3	283.5	225.8	185.6	170.6	165.6
80°	1284.3	800.2	163.1	148.0	143.0	185.6	208.2	188.1	143.0	132.9	127.9
82.5°	449.0	238.3	112.9	95.3	90.3	130.4	150.5	138.0	97.8	82.8	85.3
85°	52.7	67.7	47.7	45.2	40.1	52.7	67.7	52.7	30.1	27.6	27.6
87.5°	7.5	7.5	7.5	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5
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)