

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: P511305

Luminaire Tested: **PRV-P-PA1D-730-U-T2U**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511305  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-3)  
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-T2U  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10271 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

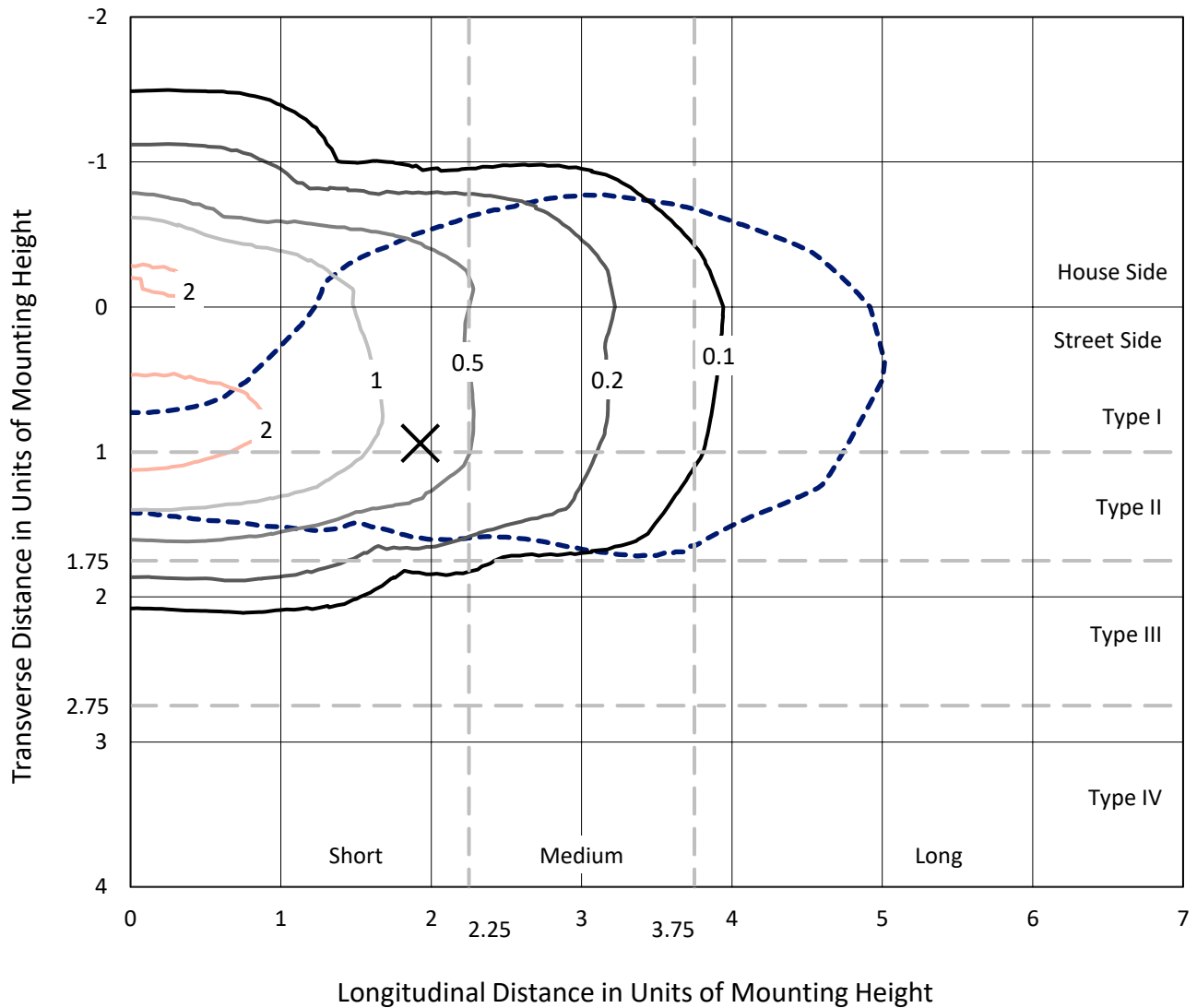
Input Watts (W): 93.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P511305  
 CATALOG NUMBER: PRV-P-PA1D-730-U-T2U

### Iso-Footcandle Lines of Horizontal Illumination

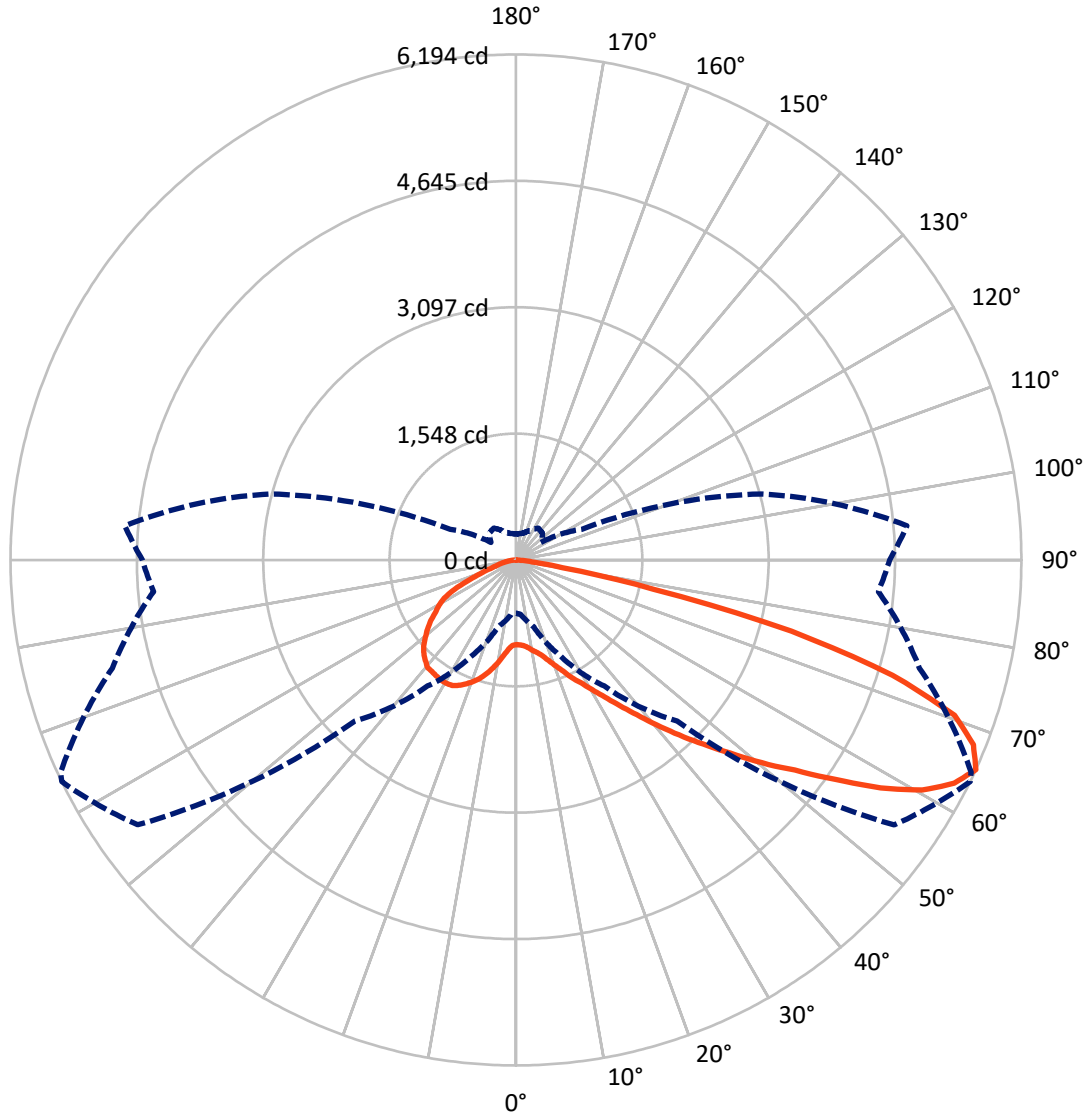
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type II - Short - N/A

REPORT NUMBER: P511305  
CATALOG NUMBER: PRV-P-PA1D-730-U-T2U

### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P511305  
 CATALOG NUMBER: PRV-P-PA1D-730-U-T2U

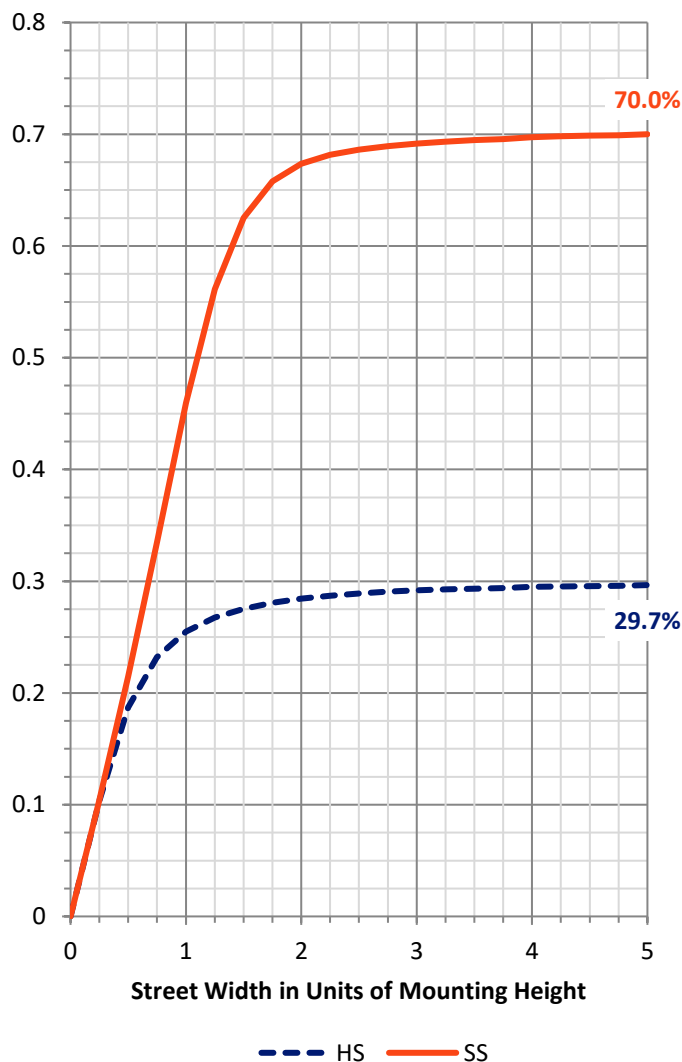
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3069.1	0.0	3069.1
	% Fixture	29.9	0.0	29.9
<b>Street Side</b>	Lumens	7201.9	0.0	7201.9
	% Fixture	70.1	0.0	70.1
<b>Total</b>	Lumens	10271.0	0.0	10271.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.9	1.0
10°-20°	371.7	3.6
20°-30°	719.6	7.0
30°-40°	1150.5	11.2
40°-50°	1844.2	18.0
50°-60°	2416.2	23.5
60°-70°	2195.2	21.4
70°-80°	1311.1	12.8
80°-90°	155.5	1.5
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°	10271.0	100.0
0°-180°	10271.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P511305

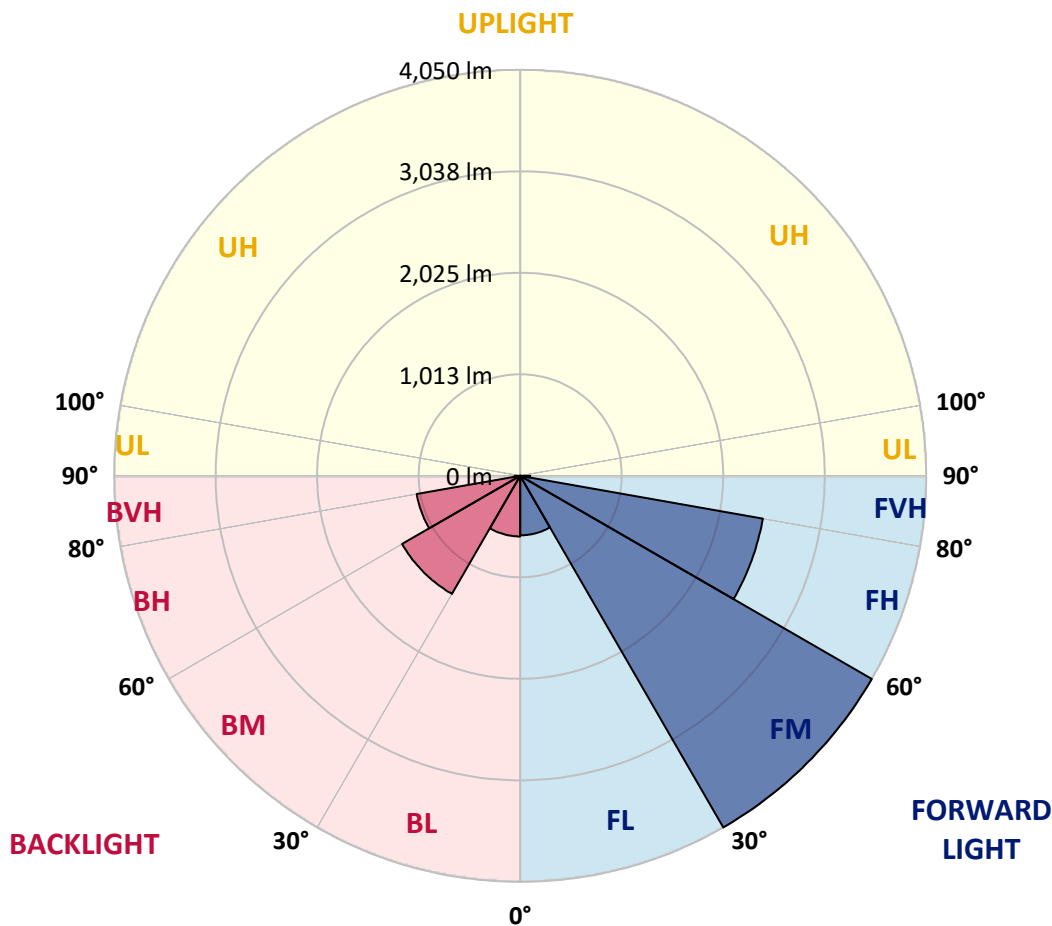
CATALOG NUMBER: PRV-P-PA1D-730-U-T2U

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	593.3	5.8			
FM (30°-60°)	4050.5	39.4			
FH (60°-80°)	2458.4	23.9			G2/5000
FVH (80°-90°)	99.7	1.0			G1/100
BL (0°-30°)	604.9	5.9	B2/1000		
BM (30°-60°)	1360.5	13.2	B2/2500		
BH (60°-80°)	1048.0	10.2	B3/2500		G3/2500
BVH (80°-90°)	55.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





REPORT NUMBER: P511305  
 CATALOG NUMBER: PRV-P-PA1D-730-U-T2U

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2
2.5°	1039.5	1037.2	1044.1	1044.1	1044.1	1041.8	1039.5	1041.8	1041.8	1039.5	1041.8
5°	1035.0	1035.0	1041.8	1051.0	1051.0	1057.8	1053.2	1055.5	1057.8	1060.1	1060.1
7.5°	1005.3	1012.1	1019.0	1032.7	1046.4	1064.7	1076.1	1085.2	1087.5	1096.7	1103.5
10°	1021.3	1019.0	1030.4	1039.5	1053.2	1082.9	1101.2	1126.4	1121.8	1146.9	1158.3
12.5°	1051.0	1051.0	1060.1	1076.1	1094.4	1121.8	1135.5	1165.2	1167.5	1190.3	1213.2
15°	1087.5	1087.5	1103.5	1121.8	1149.2	1185.8	1204.0	1217.7	1229.2	1247.4	1270.3
17.5°	1153.8	1162.9	1165.2	1183.5	1206.3	1252.0	1281.7	1293.1	1293.1	1309.1	1329.7
20°	1279.4	1297.7	1281.7	1279.4	1284.0	1332.0	1361.7	1382.2	1380.0	1384.5	1386.8
22.5°	1450.8	1462.2	1446.2	1427.9	1400.5	1430.2	1457.6	1480.5	1466.8	1466.8	1446.2
25°	1674.7	1661.0	1647.3	1594.7	1544.5	1533.0	1571.9	1599.3	1592.4	1558.2	1512.5
27.5°	1907.7	1889.4	1857.5	1800.3	1718.1	1674.7	1683.8	1706.7	1715.8	1658.7	1585.6
30°	2131.6	2136.2	2097.3	2017.4	1912.3	1839.2	1827.8	1843.7	1839.2	1763.8	1658.7
32.5°	2449.2	2419.5	2387.5	2277.8	2122.5	2035.7	1999.1	2001.4	2001.4	1889.4	1743.2
35°	2805.6	2810.2	2716.5	2563.4	2373.8	2252.7	2195.6	2191.0	2179.6	2053.9	1864.3
37.5°	3315.1	3283.1	3168.9	2958.7	2689.1	2517.7	2419.5	2405.8	2394.4	2241.3	2017.4
40°	3758.3	3762.9	3644.1	3429.3	3084.3	2801.0	2682.2	2657.1	2652.5	2446.9	2193.3
42.5°	4055.3	4039.3	4034.8	3909.1	3571.0	3264.8	3004.4	2931.3	2897.0	2693.6	2403.5
45°	4194.7	4201.5	4222.1	4245.0	4087.3	3794.9	3415.6	3219.1	3189.4	2945.0	2632.0
47.5°	4276.9	4292.9	4356.9	4425.4	4496.3	4391.2	3840.6	3536.7	3511.6	3207.7	2867.3
50°	4226.7	4215.3	4368.3	4560.2	4786.4	4992.0	4329.5	3906.8	3874.8	3527.6	3130.0
52.5°	3698.9	3753.7	4091.9	4521.4	4969.2	5369.0	4887.0	4279.2	4251.8	3829.1	3365.3
55°	2988.4	3029.5	3383.6	4064.5	4985.2	5608.9	5318.8	4745.3	4708.7	4130.7	3634.9
57.5°	2266.4	2373.8	2769.0	3308.2	4512.3	5650.0	5652.3	5268.5	5145.1	4430.0	3877.1
60°	1521.6	1565.0	2051.7	2572.6	3623.5	5277.6	5821.4	5723.1	5624.9	4720.2	4101.0
62.5°	1030.4	1039.5	1332.0	1944.3	2679.9	4398.0	5830.5	6027.0	5926.5	4955.5	4283.8
65°	651.1	669.4	847.6	1302.3	1884.9	2791.9	5659.2	6193.8	6155.0	5120.0	4457.4
67.5°	495.8	500.3	578.0	788.2	1318.3	1679.2	4893.8	6045.3	6056.7	5241.1	4539.7
70°	422.7	429.5	493.5	546.0	907.0	902.5	3136.9	5702.6	5743.7	5284.5	4585.4
72.5°	335.8	347.3	418.1	502.6	664.8	614.6	1341.1	4827.6	4950.9	5140.6	4551.1
75°	246.7	253.6	315.3	409.0	520.9	472.9	532.3	3486.4	3810.9	4510.0	4329.5
77.5°	175.9	187.3	235.3	303.9	472.9	342.7	331.3	1718.1	2065.4	3427.0	3721.8
80°	123.4	121.1	157.6	205.6	294.7	255.9	196.5	580.3	744.8	1962.5	2421.8
82.5°	61.7	64.0	91.4	127.9	166.8	203.3	109.7	230.8	267.3	806.5	904.7
85°	27.4	27.4	38.8	45.7	75.4	75.4	52.5	84.5	93.7	221.6	82.2
87.5°	0.0	2.3	2.3	4.6	4.6	6.9	9.1	11.4	13.7	13.7	11.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P511305  
 CATALOG NUMBER: PRV-P-PA1D-730-U-T2U

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2
2.5°	1044.1	1044.1	1044.1	1044.1	1051.0	1055.5	1062.4	1067.0	1064.7	1067.0	1067.0
5°	1064.7	1067.0	1076.1	1087.5	1103.5	1117.2	1140.1	1144.6	1156.1	1151.5	1162.9
7.5°	1108.1	1119.5	1135.5	1162.9	1192.6	1217.7	1238.3	1252.0	1261.1	1268.0	1261.1
10°	1172.0	1185.8	1217.7	1256.6	1293.1	1327.4	1341.1	1354.8	1352.5	1345.7	1343.4
12.5°	1229.2	1247.4	1297.7	1345.7	1393.7	1421.1	1409.7	1393.7	1380.0	1370.8	1368.5
15°	1288.6	1313.7	1368.5	1437.1	1475.9	1473.6	1441.6	1416.5	1414.2	1409.7	1405.1
17.5°	1348.0	1380.0	1450.8	1514.7	1539.9	1498.8	1466.8	1455.3	1459.9	1455.3	1453.1
20°	1402.8	1432.5	1514.7	1583.3	1571.9	1517.0	1496.5	1487.3	1475.9	1469.1	1464.5
22.5°	1455.3	1487.3	1581.0	1642.7	1603.9	1533.0	1507.9	1475.9	1464.5	1450.8	1446.2
25°	1505.6	1542.2	1635.8	1697.5	1603.9	1526.2	1473.6	1432.5	1407.4	1393.7	1393.7
27.5°	1578.7	1603.9	1690.7	1740.9	1585.6	1487.3	1393.7	1336.5	1297.7	1295.4	1295.4
30°	1633.6	1647.3	1736.4	1756.9	1544.5	1398.2	1279.4	1194.9	1153.8	1142.3	1140.1
32.5°	1706.7	1702.1	1775.2	1761.5	1491.9	1286.3	1128.6	1032.7	980.1	964.1	955.0
35°	1798.1	1791.2	1855.2	1756.9	1418.8	1153.8	961.9	852.2	815.6	788.2	790.5
37.5°	1946.6	1900.9	1978.5	1754.6	1320.6	980.1	785.9	719.7	671.7	644.3	646.6
40°	2101.9	2035.7	2117.9	1759.2	1206.3	808.8	667.1	619.2	573.5	532.3	536.9
42.5°	2291.5	2211.6	2266.4	1722.7	1071.5	674.0	594.0	559.7	520.9	491.2	495.8
45°	2504.0	2389.8	2405.8	1686.1	918.4	600.9	571.2	546.0	511.8	472.9	475.2
47.5°	2737.1	2606.8	2510.9	1629.0	797.4	584.9	591.7	552.9	477.5	429.5	429.5
50°	2970.1	2839.9	2597.7	1539.9	719.7	623.7	589.5	495.8	436.4	406.7	402.1
52.5°	3210.0	3125.5	2648.0	1450.8	696.8	621.4	541.5	468.4	418.1	383.8	379.3
55°	3477.3	3433.9	2723.4	1352.5	630.6	598.6	518.6	447.8	393.0	365.6	358.7
57.5°	3728.6	3788.0	2794.2	1247.4	539.2	546.0	493.5	431.8	383.8	363.3	358.7
60°	4016.5	4146.7	2887.8	1162.9	466.1	507.2	484.4	440.9	393.0	367.8	363.3
62.5°	4267.8	4487.1	3006.7	1057.8	415.8	484.4	488.9	429.5	377.0	354.1	347.3
65°	4578.5	4809.3	3123.2	888.7	372.4	461.5	475.2	395.3	338.1	322.1	315.3
67.5°	4800.1	5008.0	3184.9	646.6	331.3	415.8	434.1	351.8	292.4	283.3	278.7
70°	4928.1	4960.1	3152.9	450.1	287.9	351.8	386.1	308.4	258.2	251.3	244.5
72.5°	4834.4	4635.6	2924.4	313.0	249.0	301.6	335.8	276.4	217.0	207.9	203.3
75°	4450.6	4018.8	2348.7	230.8	217.0	255.9	283.3	233.0	173.6	157.6	155.4
77.5°	3616.7	3066.1	1517.0	182.8	180.5	207.9	226.2	182.8	132.5	125.7	118.8
80°	2197.9	1873.4	644.3	137.1	137.1	150.8	166.8	143.9	100.5	86.8	84.5
82.5°	824.8	642.0	212.5	89.1	86.8	107.4	130.2	98.2	57.1	48.0	43.4
85°	61.7	75.4	77.7	43.4	38.8	43.4	52.5	27.4	16.0	11.4	11.4
87.5°	9.1	9.1	9.1	6.9	4.6	2.3	2.3	2.3	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)