

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: P511308

Luminaire Tested: **PRV-P-PA1D-730-U-T4W-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511308  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-8)  
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-T4W-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

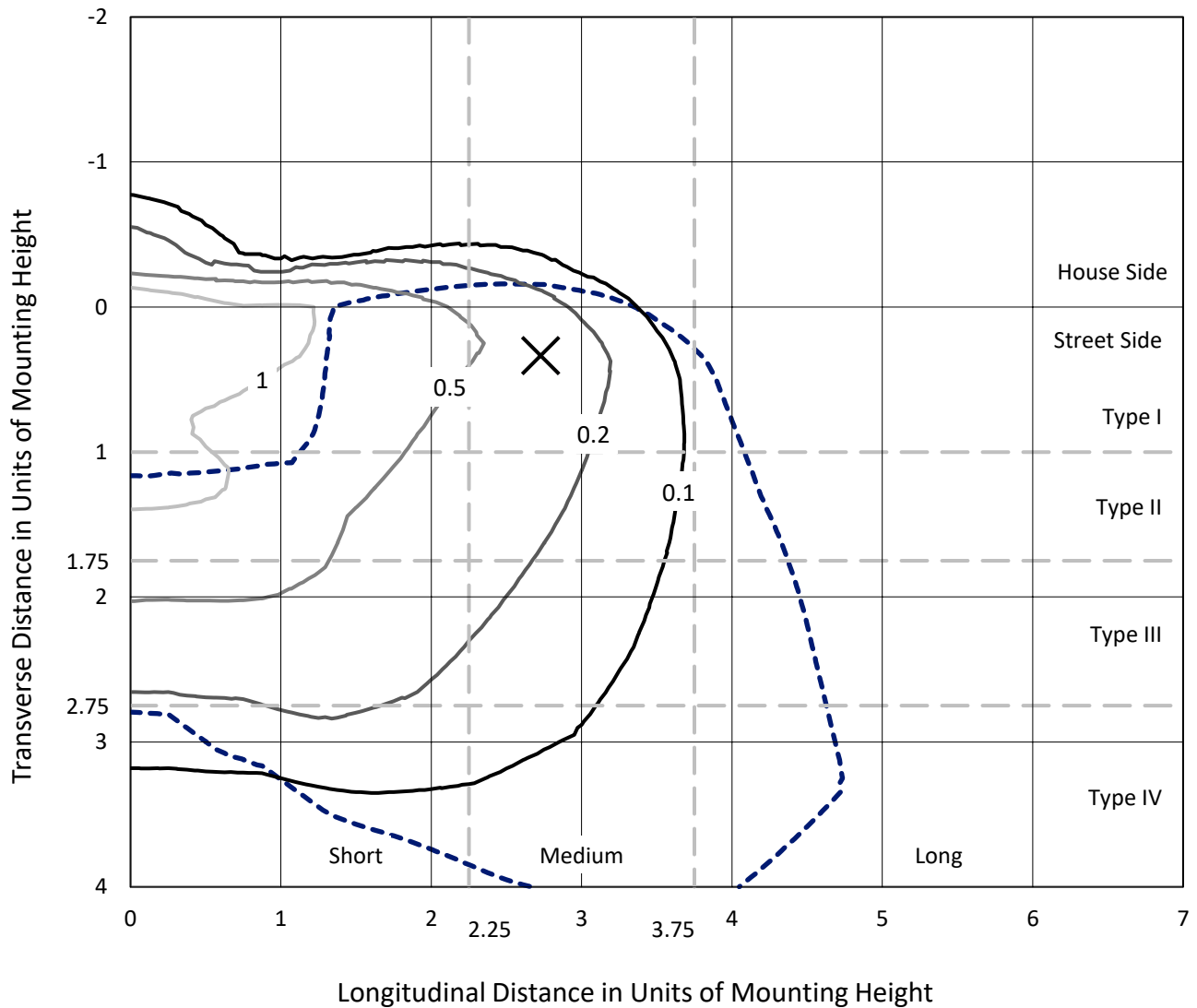
Lumens per Lamp: N/A  
Luminaire Lumens: 7580 lumens  
Efficiency: N/A  
Efficacy: 81.2 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 93.4  
Input Voltage (V): NR  
Input Current (Ain): 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



REPORT NUMBER: P511308  
 CATALOG NUMBER: PRV-P-PA1D-730-U-T4W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

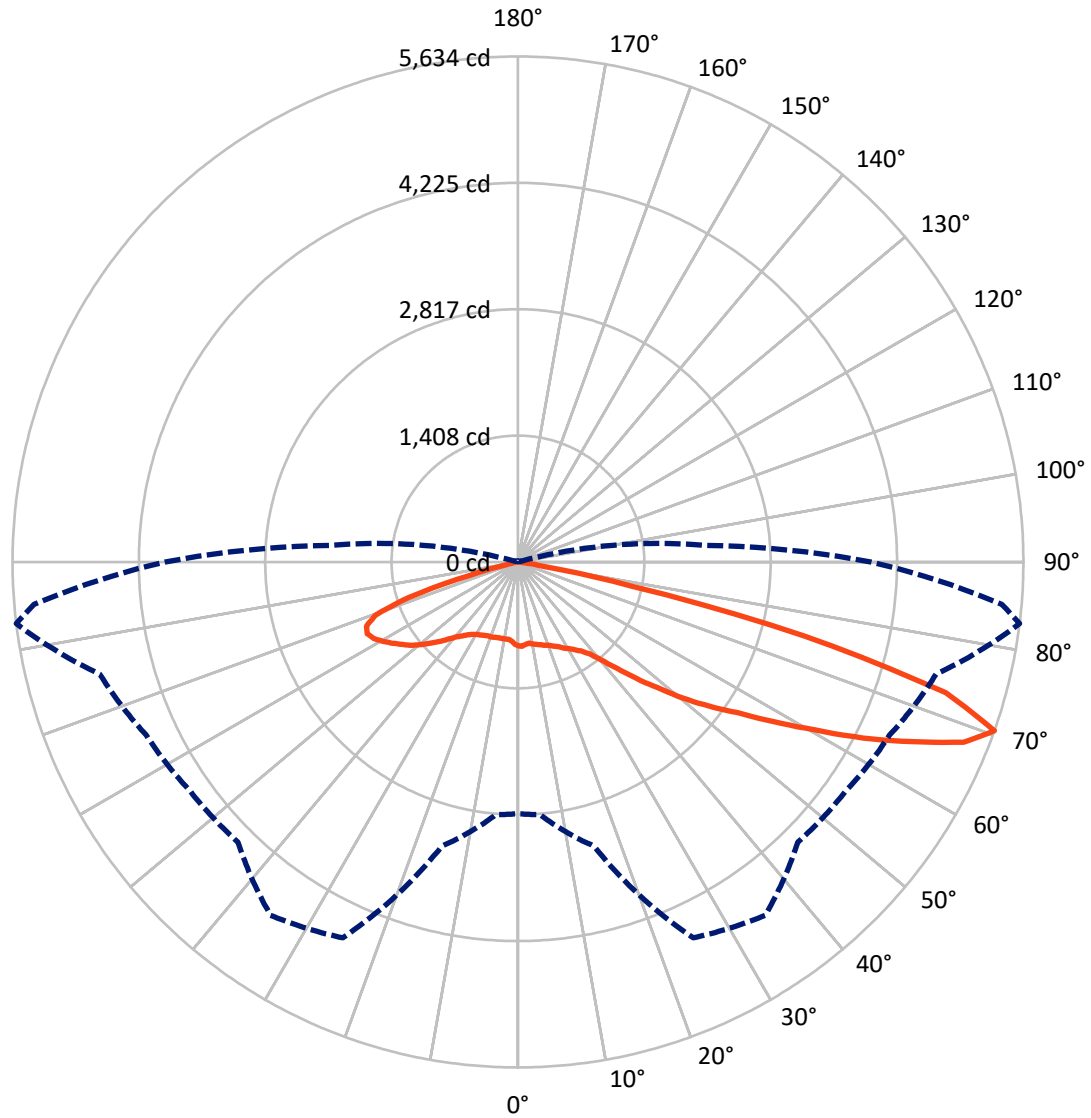
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P511308  
CATALOG NUMBER: PRV-P-PA1D-730-U-T4W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P511308  
 CATALOG NUMBER: PRV-P-PA1D-730-U-T4W-HSS

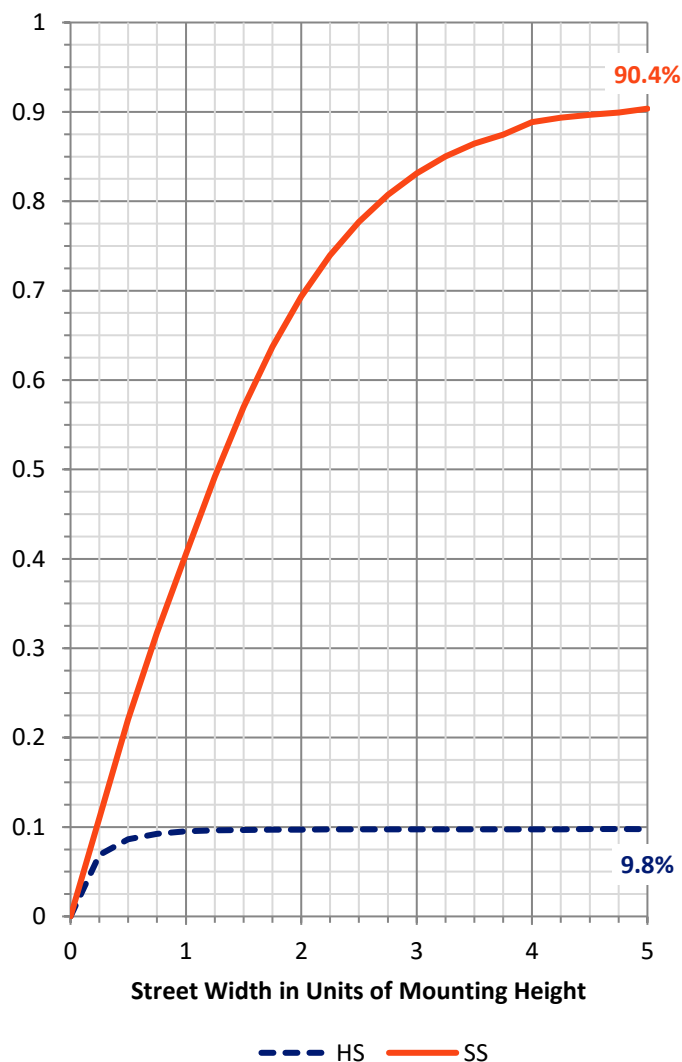
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	746.4	0.0	746.4
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	6833.7	0.0	6833.7
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	7580.0	0.0	7580.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.8	1.1
10°-20°	226.6	3.0
20°-30°	358.7	4.7
30°-40°	507.3	6.7
40°-50°	831.9	11.0
50°-60°	1468.9	19.4
60°-70°	2168.2	28.6
70°-80°	1789.4	23.6
80°-90°	144.1	1.9
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°	7580.0	100.0
0°-180°	7580.0	100.0

**Coefficient of Utilization**

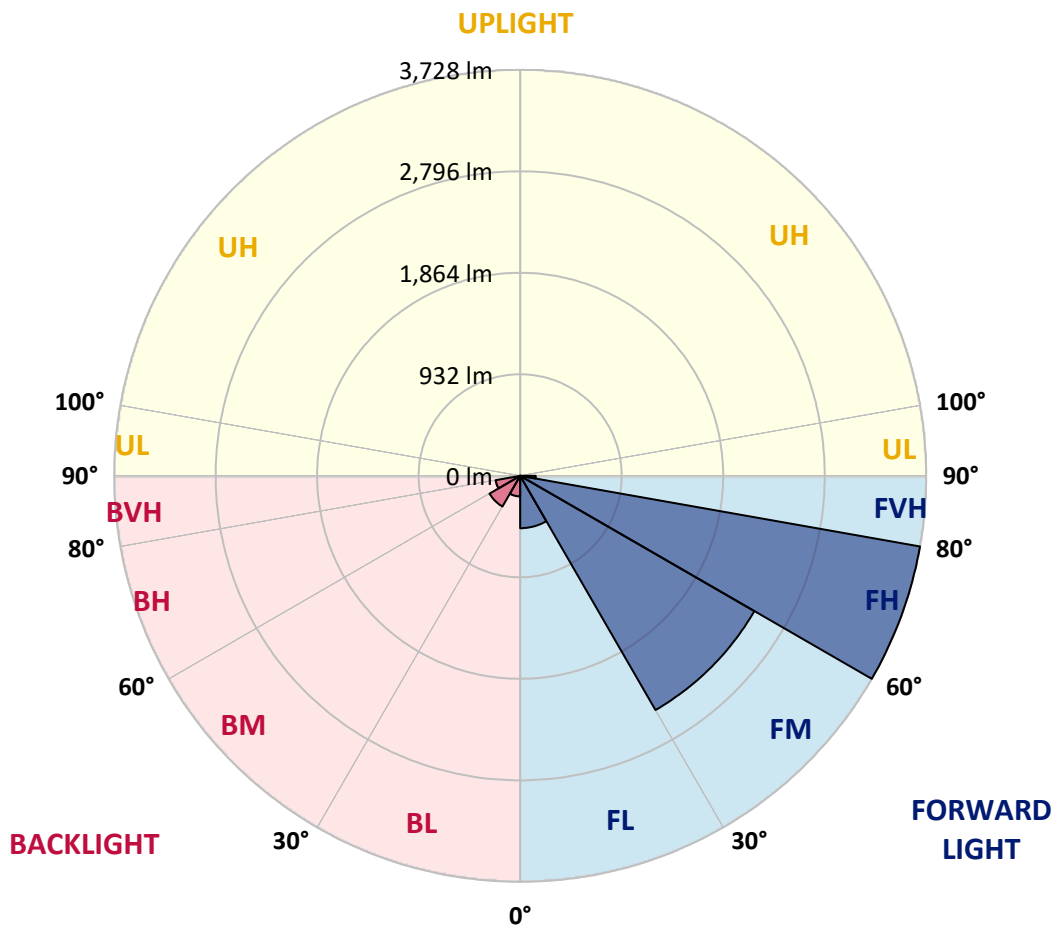


REPORT NUMBER: P511308  
 CATALOG NUMBER: PRV-P-PA1D-730-U-T4W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	480.8	6.3			
FM (30°-60°)	2482.9	32.8			
FH (60°-80°)	3727.8	49.2			G2/5000
FVH (80°-90°)	142.1	1.9			G2/225
BL (0°-30°)	189.3	2.5	B1/500		
BM (30°-60°)	325.2	4.3	B1/1000		
BH (60°-80°)	229.8	3.0	B1/500		G1/500
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type IV Medium





REPORT NUMBER: P511308

CATALOG NUMBER: PRV-P-PA1D-730-U-T4W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	936.7	936.7	936.7	936.7	936.7	936.7	936.7	936.7	936.7	936.7	936.7
2.5°	996.1	996.1	991.5	991.5	980.1	975.5	964.1	955.0	943.5	939.0	932.1
5°	1050.9	1048.6	1041.8	1034.9	1009.8	996.1	977.8	955.0	934.4	920.7	911.6
7.5°	1105.7	1103.5	1096.6	1078.3	1050.9	1025.8	993.8	966.4	934.4	913.8	909.3
10°	1165.1	1169.7	1146.9	1121.7	1080.6	1046.4	1016.7	991.5	955.0	929.8	918.4
12.5°	1217.7	1208.6	1188.0	1156.0	1108.0	1069.2	1046.4	1014.4	975.5	943.5	932.1
15°	1252.0	1245.1	1226.8	1185.7	1128.6	1096.6	1069.2	1034.9	996.1	957.3	945.8
17.5°	1277.1	1277.1	1256.5	1201.7	1144.6	1124.0	1094.3	1062.3	1014.4	977.8	966.4
20°	1290.8	1297.7	1279.4	1224.5	1165.1	1146.9	1124.0	1089.8	1039.5	991.5	982.4
22.5°	1297.7	1302.2	1302.2	1233.7	1181.1	1167.4	1149.2	1117.2	1060.1	1018.9	1005.2
25°	1297.7	1306.8	1306.8	1236.0	1199.4	1185.7	1176.6	1146.9	1098.9	1046.4	1034.9
27.5°	1306.8	1302.2	1311.4	1245.1	1220.0	1217.7	1213.1	1192.6	1137.7	1087.5	1069.2
30°	1302.2	1299.9	1309.1	1254.2	1245.1	1256.5	1258.8	1238.3	1167.4	1119.5	1110.3
32.5°	1334.2	1325.1	1315.9	1263.4	1272.5	1297.7	1297.7	1277.1	1210.8	1165.1	1156.0
35°	1398.2	1350.2	1341.1	1293.1	1295.4	1320.5	1336.5	1325.1	1261.1	1220.0	1213.1
37.5°	1402.7	1384.5	1407.3	1336.5	1336.5	1363.9	1395.9	1393.6	1350.2	1299.9	1299.9
40°	1503.3	1489.6	1539.8	1411.9	1398.2	1434.7	1473.6	1498.7	1469.0	1434.7	1430.2
42.5°	1791.1	1775.1	1795.7	1521.5	1487.3	1546.7	1596.9	1644.9	1628.9	1619.8	1615.2
45°	2152.1	2149.8	2163.5	1734.0	1610.6	1681.5	1731.7	1804.8	1818.5	1850.5	1850.5
47.5°	2561.0	2524.5	2503.9	2079.0	1795.7	1809.4	1907.6	2005.9	2076.7	2092.7	2117.8
50°	2842.1	2839.8	2798.6	2522.2	2156.7	1996.7	2113.3	2241.2	2378.3	2382.8	2403.4
52.5°	3075.1	3070.5	3072.8	2976.8	2570.2	2232.1	2346.3	2522.2	2654.7	2668.4	2686.7
55°	3182.5	3196.2	3269.3	3310.4	3029.4	2531.3	2618.2	2791.8	2947.1	2963.1	3004.3
57.5°	3349.2	3342.4	3458.9	3657.7	3506.9	2892.3	2912.9	3091.1	3232.7	3351.5	3378.9
60°	3589.1	3559.4	3675.9	3986.6	3790.2	3205.3	3191.6	3378.9	3554.8	3797.0	3824.4
62.5°	3707.9	3659.9	3856.4	4427.6	4091.7	3502.3	3518.3	3678.2	3893.0	4320.2	4443.6
65°	3506.9	3486.3	3931.8	4423.0	4448.1	3778.7	3849.6	3975.2	4265.4	4827.4	4975.9
67.5°	2990.6	3013.4	3758.2	4562.4	4651.5	4087.2	4158.0	4333.9	4585.2	5359.7	5359.7
70°	2805.5	2826.1	3278.4	4621.8	4806.8	4413.9	4457.3	4569.2	4825.1	5633.8	5414.5
72.5°	2389.7	2426.3	2922.0	4464.1	5007.9	4740.6	4662.9	4742.8	4784.0	4985.0	4571.5
75°	913.8	964.1	1868.8	3456.6	4939.3	5101.5	4829.7	4523.5	4032.3	3296.7	2960.9
77.5°	178.2	182.8	434.1	1644.9	3554.8	4811.4	4452.7	3486.3	2273.2	1288.5	1252.0
80°	70.8	75.4	130.2	486.6	1631.2	2780.4	2910.6	1754.6	724.2	265.0	221.6
82.5°	29.7	29.7	61.7	171.3	571.2	708.2	1007.5	559.7	191.9	66.3	57.1
85°	4.6	4.6	20.6	61.7	91.4	52.5	246.7	111.9	93.7	25.1	20.6
87.5°	0.0	0.0	2.3	2.3	4.6	4.6	6.9	9.1	13.7	4.6	4.6
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: P511308

CATALOG NUMBER: PRV-P-PA1D-730-U-T4W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	936.7	936.7	936.7	936.7	936.7	936.7	936.7	936.7	936.7	936.7	936.7
2.5°	929.8	920.7	904.7	893.3	886.4	879.6	877.3	863.6	868.2	865.9	865.9
5°	902.4	888.7	868.2	843.0	829.3	815.6	799.6	785.9	776.8	769.9	783.6
7.5°	891.0	875.0	836.2	804.2	772.2	735.6	703.7	674.0	658.0	646.5	646.5
10°	897.9	879.6	831.6	779.1	712.8	635.1	573.4	518.6	498.0	486.6	468.3
12.5°	907.0	881.9	822.5	740.2	637.4	518.6	427.2	361.0	335.8	322.1	319.8
15°	920.7	886.4	813.3	687.7	536.9	390.7	285.6	246.7	249.0	258.2	260.4
17.5°	934.4	897.9	799.6	628.3	431.8	281.0	228.5	221.6	228.5	242.2	244.5
20°	948.1	913.8	781.3	555.2	326.7	221.6	210.2	210.2	217.0	230.7	233.0
22.5°	968.7	923.0	751.6	466.1	244.5	203.3	201.0	203.3	207.9	219.3	223.9
25°	998.4	943.5	715.1	377.0	203.3	194.2	194.2	191.9	194.2	205.6	210.2
27.5°	1025.8	973.2	678.5	285.6	180.5	180.5	182.8	180.5	180.5	189.6	194.2
30°	1064.6	1002.9	626.0	212.5	166.8	164.5	166.8	166.8	166.8	173.6	178.2
32.5°	1114.9	1046.4	571.2	171.3	153.1	148.5	148.5	153.1	153.1	157.6	159.9
35°	1183.4	1103.5	507.2	150.8	141.6	134.8	130.2	134.8	139.4	141.6	143.9
37.5°	1274.8	1178.9	438.6	139.4	132.5	123.4	116.5	116.5	118.8	123.4	127.9
40°	1423.3	1265.7	354.1	132.5	125.7	111.9	102.8	100.5	100.5	102.8	105.1
42.5°	1615.2	1375.3	265.0	127.9	121.1	100.5	91.4	84.5	80.0	80.0	82.2
45°	1843.7	1505.6	196.5	121.1	118.8	91.4	80.0	70.8	59.4	57.1	59.4
47.5°	2111.0	1617.5	146.2	111.9	109.7	80.0	68.5	54.8	41.1	41.1	41.1
50°	2385.1	1740.9	118.8	100.5	98.2	73.1	54.8	38.8	29.7	29.7	32.0
52.5°	2661.6	1859.7	107.4	91.4	89.1	66.3	41.1	27.4	22.8	25.1	25.1
55°	2922.0	1953.3	102.8	84.5	80.0	57.1	32.0	20.6	18.3	20.6	20.6
57.5°	3216.7	2053.9	96.0	77.7	66.3	43.4	25.1	18.3	16.0	18.3	18.3
60°	3511.4	2156.7	86.8	70.8	52.5	32.0	20.6	16.0	13.7	16.0	16.0
62.5°	3787.9	2252.6	73.1	59.4	41.1	25.1	18.3	13.7	11.4	13.7	16.0
65°	4004.9	2312.0	52.5	45.7	32.0	22.8	16.0	11.4	9.1	11.4	13.7
67.5°	4100.9	2282.3	38.8	34.3	25.1	18.3	13.7	9.1	6.9	9.1	11.4
70°	3936.4	2111.0	27.4	25.1	18.3	16.0	11.4	6.9	4.6	6.9	9.1
72.5°	3191.6	1599.2	22.8	20.6	13.7	13.7	11.4	6.9	4.6	4.6	4.6
75°	1951.1	696.8	18.3	16.0	9.1	11.4	9.1	4.6	2.3	4.6	4.6
77.5°	715.1	155.4	13.7	9.1	6.9	9.1	6.9	4.6	2.3	2.3	2.3
80°	164.5	36.6	6.9	4.6	4.6	4.6	4.6	2.3	2.3	2.3	2.3
82.5°	41.1	6.9	4.6	4.6	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	16.0	4.6	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0
87.5°	4.6	4.6	4.6	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0
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)