

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: P511326

Luminaire Tested: **PRV-P-PA1D-750-U-T4W-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511326  
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-750-U-T4W-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

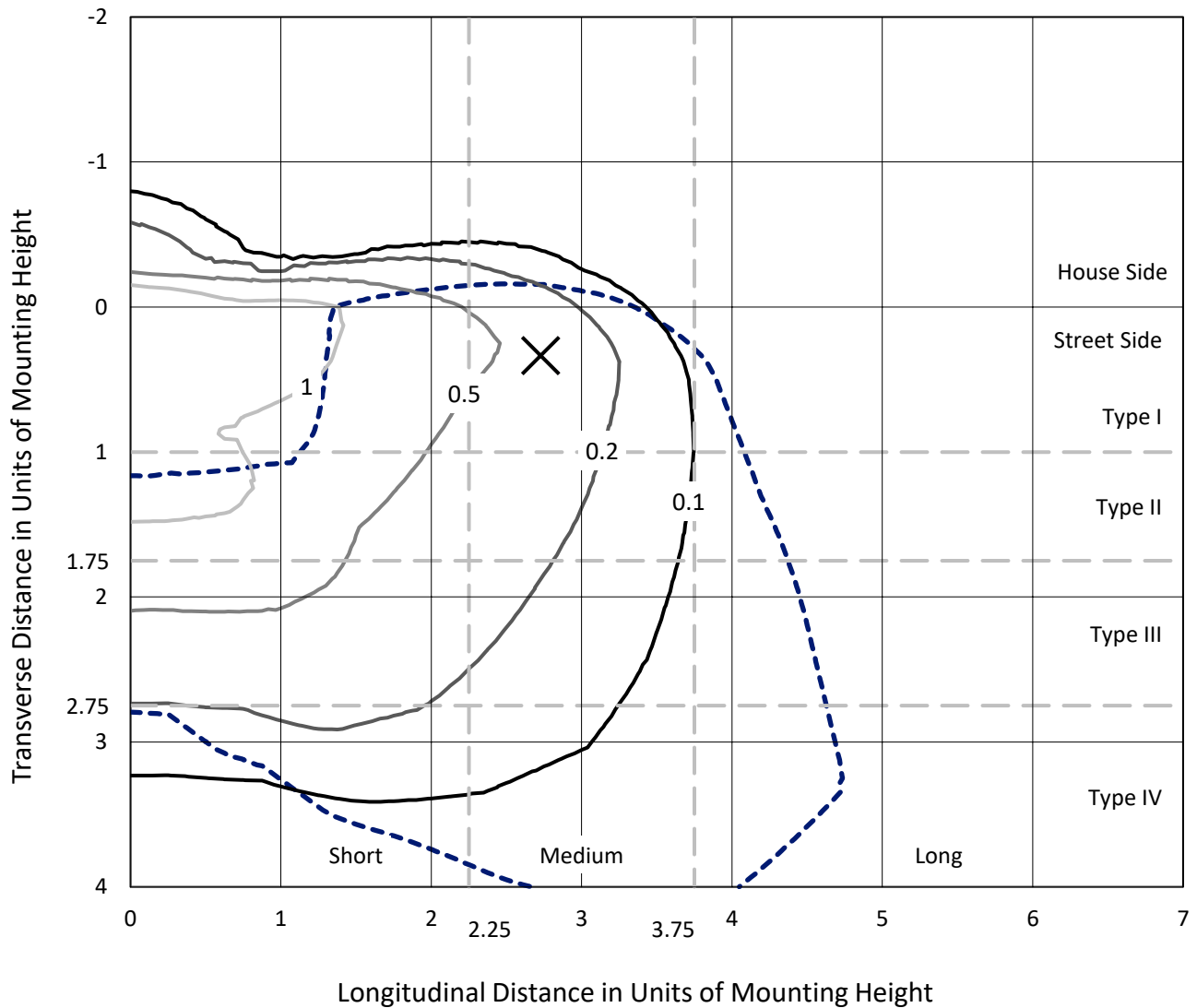
Lumens per Lamp: N/A  
Luminaire Lumens: 8323 lumens  
Efficiency: N/A  
Efficacy: 89.1 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 93.4  
Input Voltage (V): NR  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

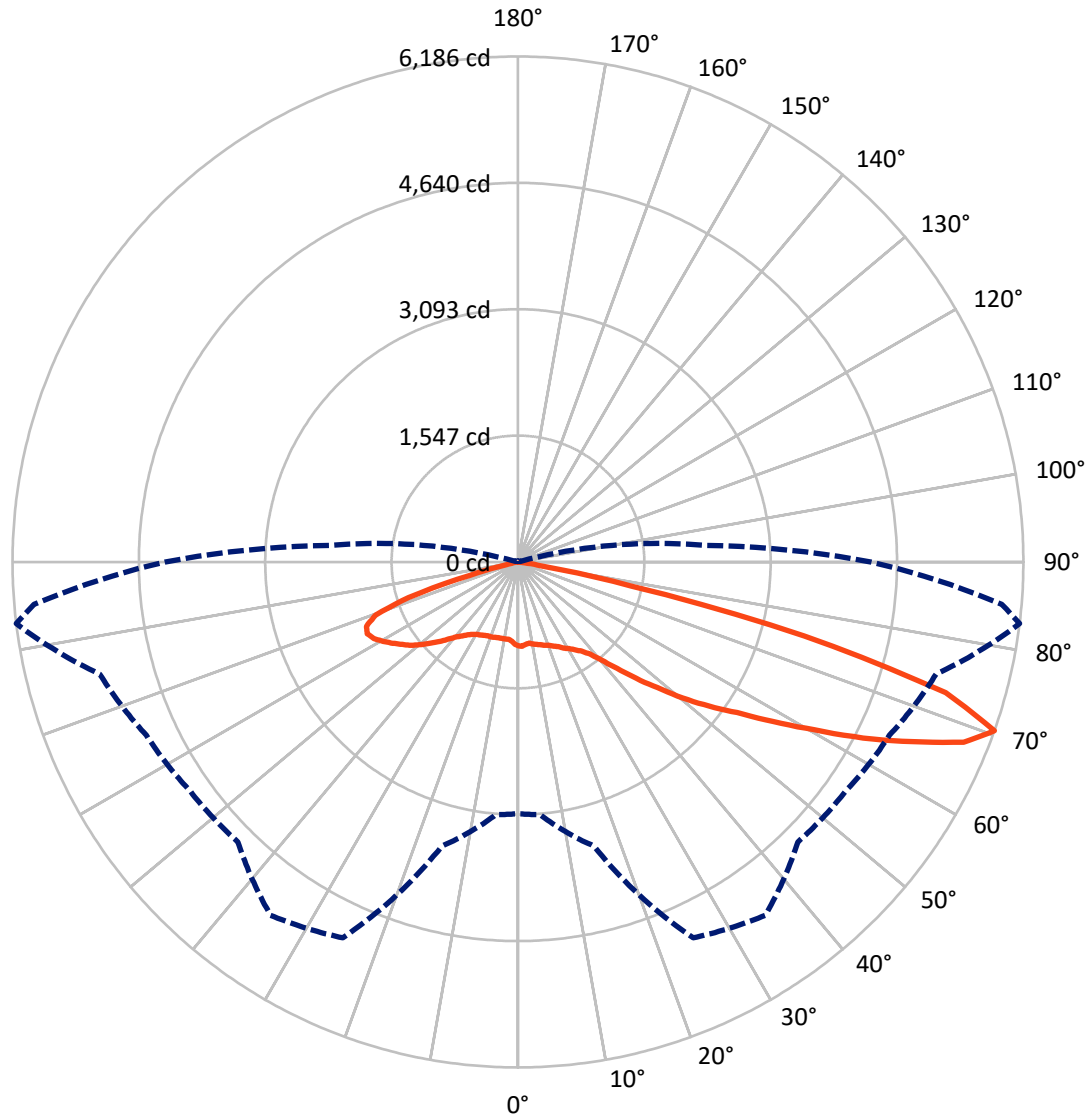
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



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

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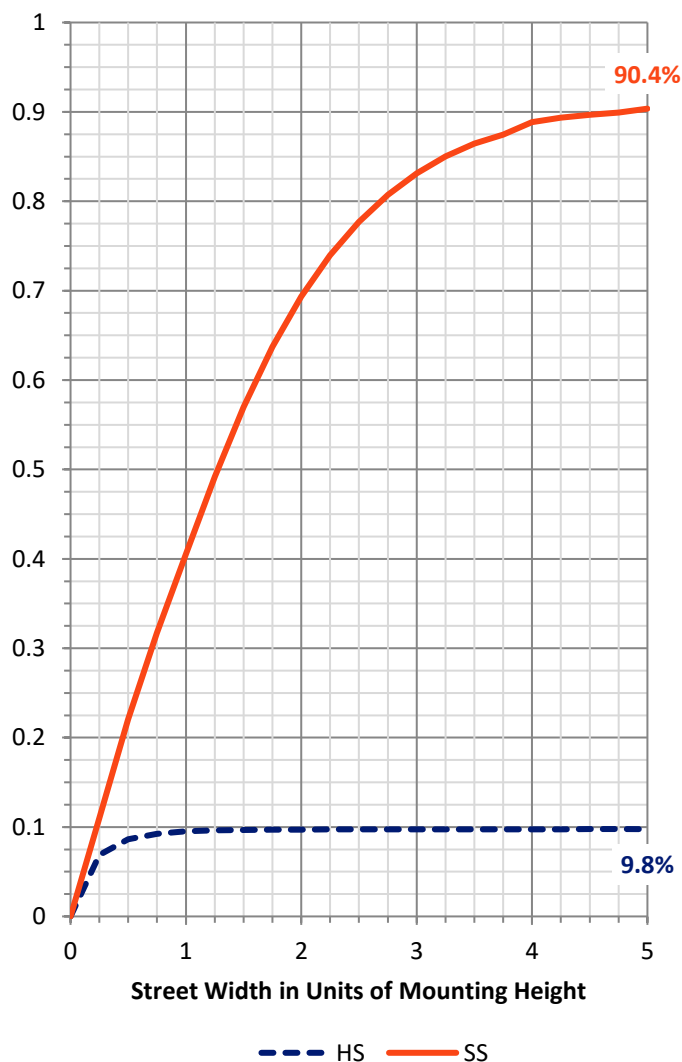
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	819.5	0.0	819.5
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	7503.5	0.0	7503.5
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	8323.0	0.0	8323.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.1	1.1
10°-20°	248.8	3.0
20°-30°	393.9	4.7
30°-40°	557.1	6.7
40°-50°	913.4	11.0
50°-60°	1612.9	19.4
60°-70°	2380.7	28.6
70°-80°	1964.8	23.6
80°-90°	158.2	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°	8323.0	100.0
0°-180°	8323.0	100.0

**Coefficient of Utilization**

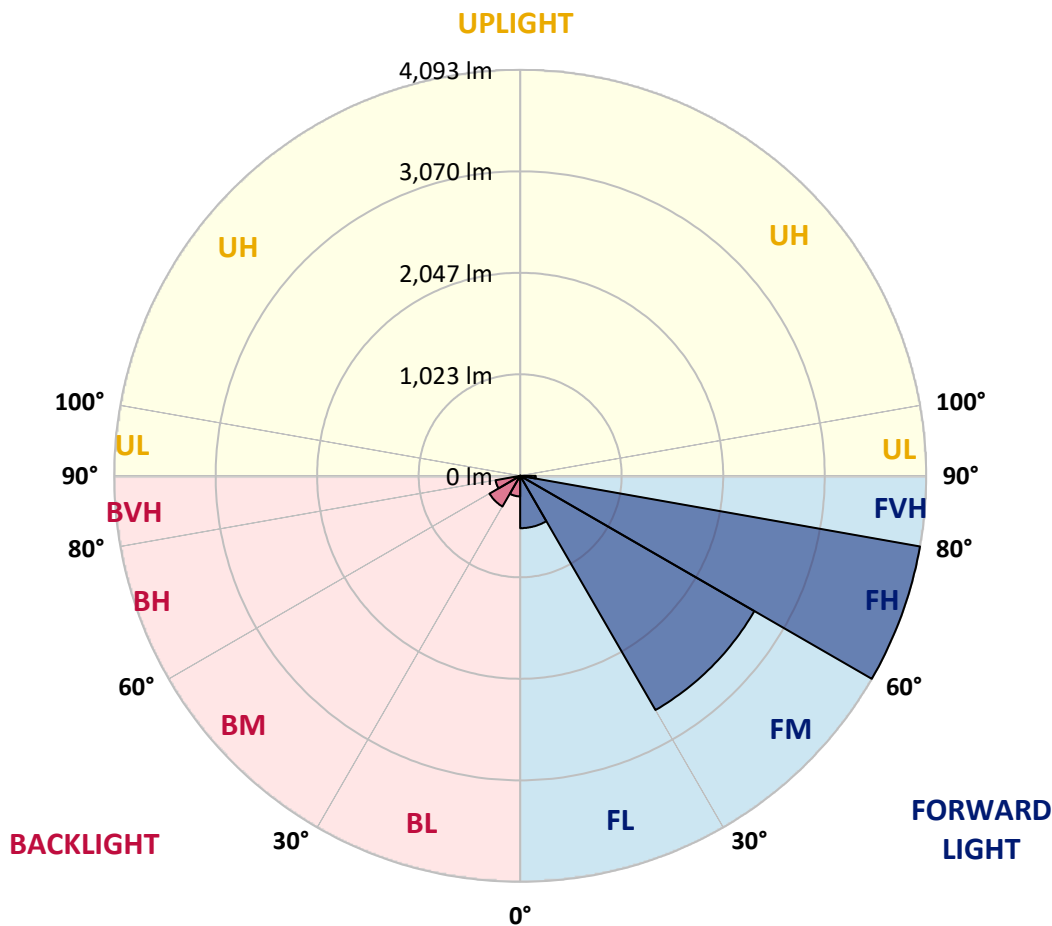


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	528.0	6.3			
FM (30°-60°)	2726.2	32.8			
FH (60°-80°)	4093.3	49.2			G2/5000
FVH (80°-90°)	156.0	1.9			G2/225
BL (0°-30°)	207.9	2.5	B1/500		
BM (30°-60°)	357.1	4.3	B1/1000		
BH (60°-80°)	252.3	3.0	B1/500		G1/500
BVH (80°-90°)	2.2	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	1028.5	1028.5	1028.5	1028.5	1028.5	1028.5	1028.5	1028.5	1028.5	1028.5	1028.5
2.5°	1093.7	1093.7	1088.7	1088.7	1076.2	1071.1	1058.6	1048.6	1036.0	1031.0	1023.5
5°	1153.9	1151.4	1143.9	1136.4	1108.8	1093.7	1073.7	1048.6	1026.0	1010.9	1000.9
7.5°	1214.1	1211.6	1204.1	1184.0	1153.9	1126.3	1091.2	1061.1	1026.0	1003.4	998.4
10°	1279.4	1284.4	1259.3	1231.7	1186.5	1148.9	1116.3	1088.7	1048.6	1021.0	1008.4
12.5°	1337.1	1327.0	1304.4	1269.3	1216.6	1174.0	1148.9	1113.8	1071.1	1036.0	1023.5
15°	1374.7	1367.2	1347.1	1301.9	1239.2	1204.1	1174.0	1136.4	1093.7	1051.1	1038.5
17.5°	1402.3	1402.3	1379.7	1319.5	1256.8	1234.2	1201.6	1166.5	1113.8	1073.7	1061.1
20°	1417.3	1424.9	1404.8	1344.6	1279.4	1259.3	1234.2	1196.6	1141.4	1088.7	1078.7
22.5°	1424.9	1429.9	1429.9	1354.6	1296.9	1281.9	1261.8	1226.7	1164.0	1118.8	1103.8
25°	1424.9	1434.9	1434.9	1357.1	1317.0	1301.9	1291.9	1259.3	1206.6	1148.9	1136.4
27.5°	1434.9	1429.9	1439.9	1367.2	1339.6	1337.1	1332.0	1309.5	1249.3	1194.1	1174.0
30°	1429.9	1427.4	1437.4	1377.2	1367.2	1379.7	1382.2	1359.6	1281.9	1229.2	1219.2
32.5°	1465.0	1455.0	1444.9	1387.2	1397.3	1424.9	1424.9	1402.3	1329.5	1279.4	1269.3
35°	1535.2	1482.6	1472.5	1419.8	1422.3	1449.9	1467.5	1455.0	1384.7	1339.6	1332.0
37.5°	1540.2	1520.2	1545.3	1467.5	1467.5	1497.6	1532.7	1530.2	1482.6	1427.4	1427.4
40°	1650.6	1635.6	1690.8	1550.3	1535.2	1575.4	1618.0	1645.6	1613.0	1575.4	1570.4
42.5°	1966.7	1949.1	1971.7	1670.7	1633.1	1698.3	1753.5	1806.2	1788.6	1778.6	1773.5
45°	2363.1	2360.5	2375.6	1904.0	1768.5	1846.3	1901.5	1981.8	1996.8	2031.9	2031.9
47.5°	2812.1	2771.9	2749.4	2282.8	1971.7	1986.8	2094.6	2202.5	2280.3	2297.8	2325.4
50°	3120.6	3118.1	3073.0	2769.4	2368.1	2192.5	2320.4	2460.9	2611.4	2616.4	2639.0
52.5°	3376.5	3371.5	3374.0	3268.6	2822.1	2450.9	2576.3	2769.4	2914.9	2930.0	2950.1
55°	3494.4	3509.5	3589.7	3634.9	3326.3	2779.5	2874.8	3065.4	3236.0	3253.6	3298.7
57.5°	3677.5	3670.0	3797.9	4016.2	3850.6	3175.8	3198.4	3394.1	3549.6	3680.0	3710.1
60°	3940.9	3908.3	4036.3	4377.4	4161.7	3519.5	3504.4	3710.1	3903.3	4169.2	4199.3
62.5°	4071.4	4018.7	4234.4	4861.6	4492.8	3845.6	3863.2	4038.8	4274.6	4743.7	4879.1
65°	3850.6	3828.0	4317.2	4856.5	4884.1	4149.1	4226.9	4364.9	4683.5	5300.6	5463.6
67.5°	3283.7	3308.8	4126.6	5009.6	5107.4	4487.8	4565.6	4758.7	5034.7	5885.1	5885.1
70°	3080.5	3103.1	3599.8	5074.8	5278.0	4846.5	4894.2	5017.1	5298.1	6186.1	5945.3
72.5°	2623.9	2664.1	3208.4	4901.7	5498.7	5205.2	5119.9	5207.7	5252.9	5473.6	5019.6
75°	1003.4	1058.6	2052.0	3795.4	5423.5	5601.6	5303.1	4966.9	4427.6	3619.8	3251.1
77.5°	195.7	200.7	476.6	1806.2	3903.3	5283.0	4889.2	3828.0	2496.0	1414.8	1374.7
80°	77.8	82.8	143.0	534.3	1791.1	3052.9	3195.9	1926.6	795.2	291.0	243.3
82.5°	32.6	32.6	67.7	188.1	627.1	777.6	1106.3	614.6	210.7	72.7	62.7
85°	5.0	5.0	22.6	67.7	100.3	57.7	270.9	122.9	102.9	27.6	22.6
87.5°	0.0	0.0	2.5	2.5	5.0	5.0	7.5	10.0	15.1	5.0	5.0
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°	1028.5	1028.5	1028.5	1028.5	1028.5	1028.5	1028.5	1028.5	1028.5	1028.5	1028.5
2.5°	1021.0	1010.9	993.4	980.8	973.3	965.8	963.3	948.2	953.2	950.7	950.7
5°	990.9	975.8	953.2	925.7	910.6	895.6	878.0	862.9	852.9	845.4	860.4
7.5°	978.3	960.8	918.1	883.0	847.9	807.8	772.6	740.0	722.5	709.9	709.9
10°	985.9	965.8	913.1	855.4	782.7	697.4	629.6	569.4	546.9	534.3	514.3
12.5°	995.9	968.3	903.1	812.8	699.9	569.4	469.1	396.4	368.8	353.7	351.2
15°	1010.9	973.3	893.0	755.1	589.5	429.0	313.6	270.9	273.4	283.5	286.0
17.5°	1026.0	985.9	878.0	689.9	474.1	308.6	250.9	243.3	250.9	265.9	268.4
20°	1041.0	1003.4	857.9	609.6	358.7	243.3	230.8	230.8	238.3	253.4	255.9
22.5°	1063.6	1013.5	825.3	511.7	268.4	223.3	220.8	223.3	228.3	240.8	245.8
25°	1096.2	1036.0	785.2	413.9	223.3	213.2	213.2	210.7	213.2	225.8	230.8
27.5°	1126.3	1068.6	745.0	313.6	198.2	198.2	200.7	198.2	198.2	208.2	213.2
30°	1169.0	1101.3	687.3	233.3	183.1	180.6	183.1	183.1	183.1	190.6	195.7
32.5°	1224.2	1148.9	627.1	188.1	168.1	163.1	163.1	168.1	168.1	173.1	175.6
35°	1299.4	1211.6	556.9	165.6	155.5	148.0	143.0	148.0	153.0	155.5	158.0
37.5°	1399.8	1294.4	481.6	153.0	145.5	135.5	127.9	127.9	130.4	135.5	140.5
40°	1562.8	1389.7	388.8	145.5	138.0	122.9	112.9	110.4	110.4	112.9	115.4
42.5°	1773.5	1510.1	291.0	140.5	133.0	110.4	100.3	92.8	87.8	87.8	90.3
45°	2024.4	1653.1	215.7	133.0	130.4	100.3	87.8	77.8	65.2	62.7	65.2
47.5°	2317.9	1776.1	160.5	122.9	120.4	87.8	75.3	60.2	45.2	45.2	45.2
50°	2618.9	1911.5	130.4	110.4	107.9	80.3	60.2	42.6	32.6	32.6	35.1
52.5°	2922.5	2042.0	117.9	100.3	97.8	72.7	45.2	30.1	25.1	27.6	27.6
55°	3208.4	2144.8	112.9	92.8	87.8	62.7	35.1	22.6	20.1	22.6	22.6
57.5°	3532.0	2255.2	105.4	85.3	72.7	47.7	27.6	20.1	17.6	20.1	20.1
60°	3855.6	2368.1	95.3	77.8	57.7	35.1	22.6	17.6	15.1	17.6	17.6
62.5°	4159.2	2473.4	80.3	65.2	45.2	27.6	20.1	15.1	12.5	15.1	17.6
65°	4397.5	2538.6	57.7	50.2	35.1	25.1	17.6	12.5	10.0	12.5	15.1
67.5°	4502.8	2506.0	42.6	37.6	27.6	20.1	15.1	10.0	7.5	10.0	12.5
70°	4322.2	2317.9	30.1	27.6	20.1	17.6	12.5	7.5	5.0	7.5	10.0
72.5°	3504.4	1756.0	25.1	22.6	15.1	15.1	12.5	7.5	5.0	5.0	5.0
75°	2142.3	765.1	20.1	17.6	10.0	12.5	10.0	5.0	2.5	5.0	5.0
77.5°	785.2	170.6	15.1	10.0	7.5	10.0	7.5	5.0	2.5	2.5	2.5
80°	180.6	40.1	7.5	5.0	5.0	5.0	5.0	2.5	2.5	2.5	2.5
82.5°	45.2	7.5	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
85°	17.6	5.0	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0
87.5°	5.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5	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)