

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: P511304

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

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511304  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-4)  
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-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7431 lumens  
Efficiency: N/A  
Efficacy: 79.6 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

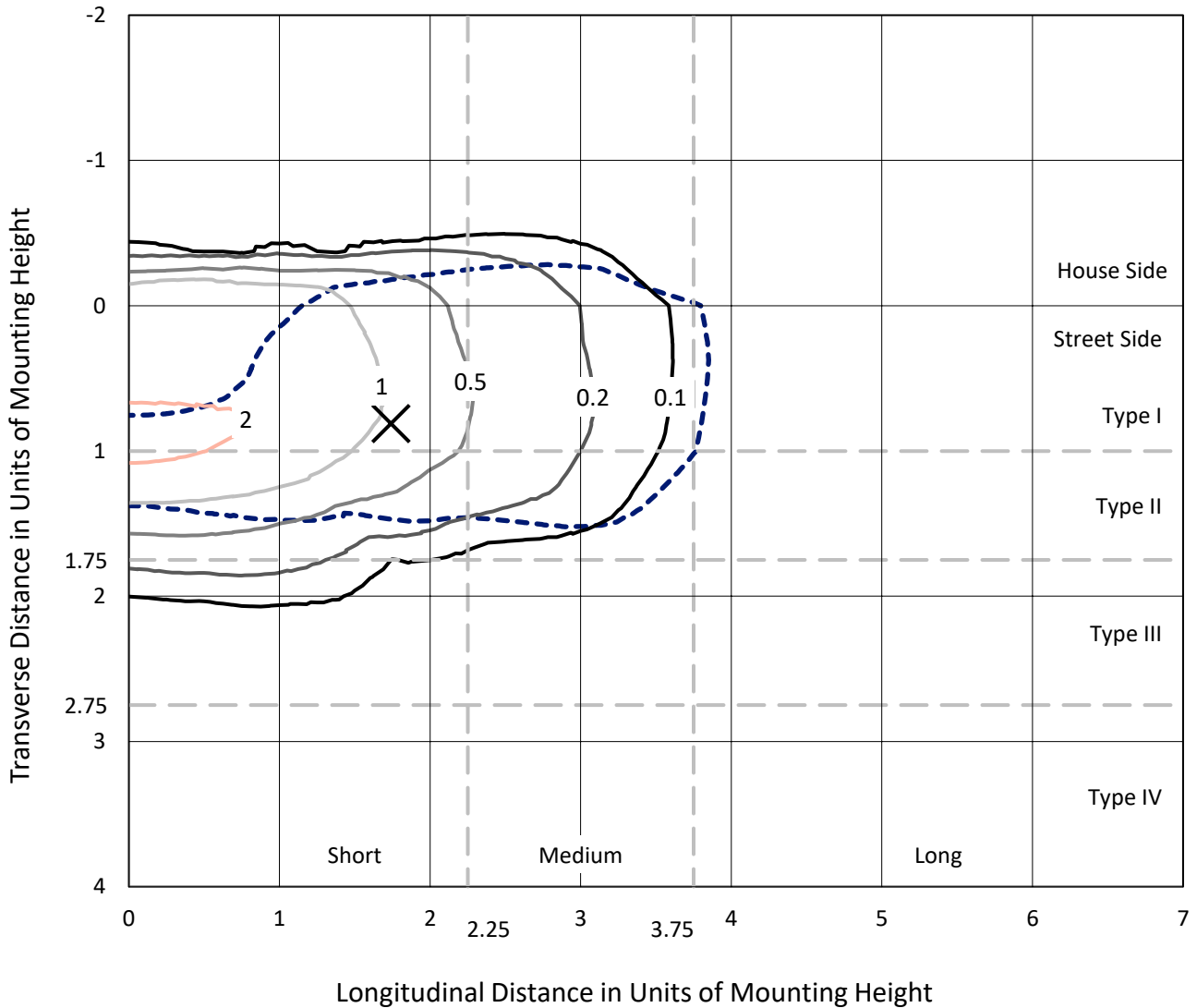
Input Watts (W): 93.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

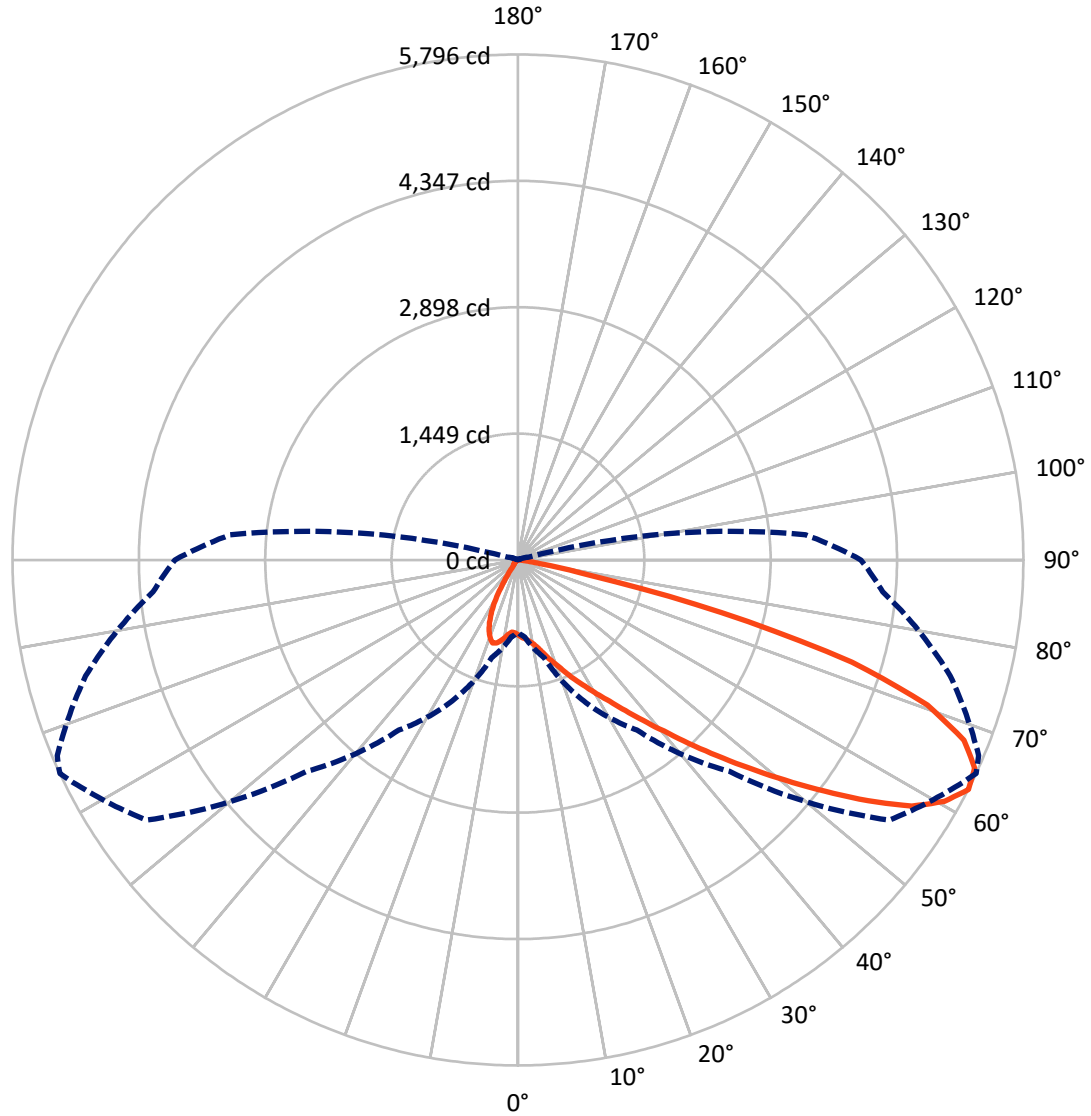
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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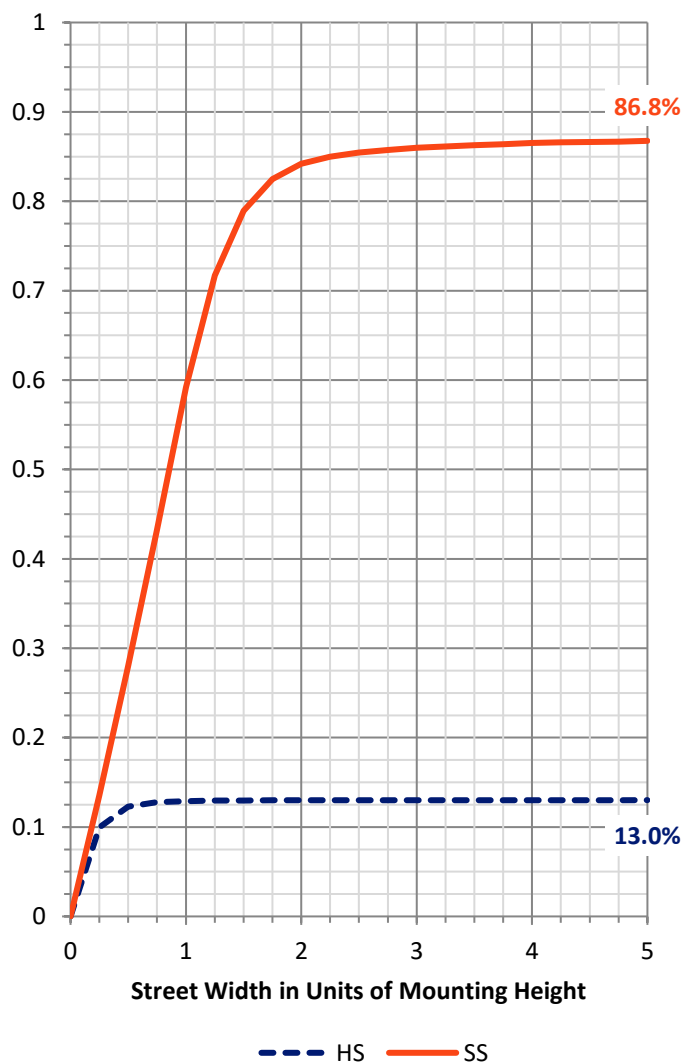
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	978.0	0.0	978.0
	% Fixture	13.2	0.0	13.2
<b>Street Side</b>	Lumens	6453.1	0.0	6453.1
	% Fixture	86.8	0.0	86.8
<b>Total</b>	Lumens	7431.0	0.0	7431.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.2	1.1
10°-20°	243.9	3.3
20°-30°	434.8	5.9
30°-40°	793.5	10.7
40°-50°	1491.4	20.1
50°-60°	1977.5	26.6
60°-70°	1643.4	22.1
70°-80°	730.0	9.8
80°-90°	34.4	0.5
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°	7431.0	100.0
0°-180°	7431.0	100.0

**Coefficient of Utilization**



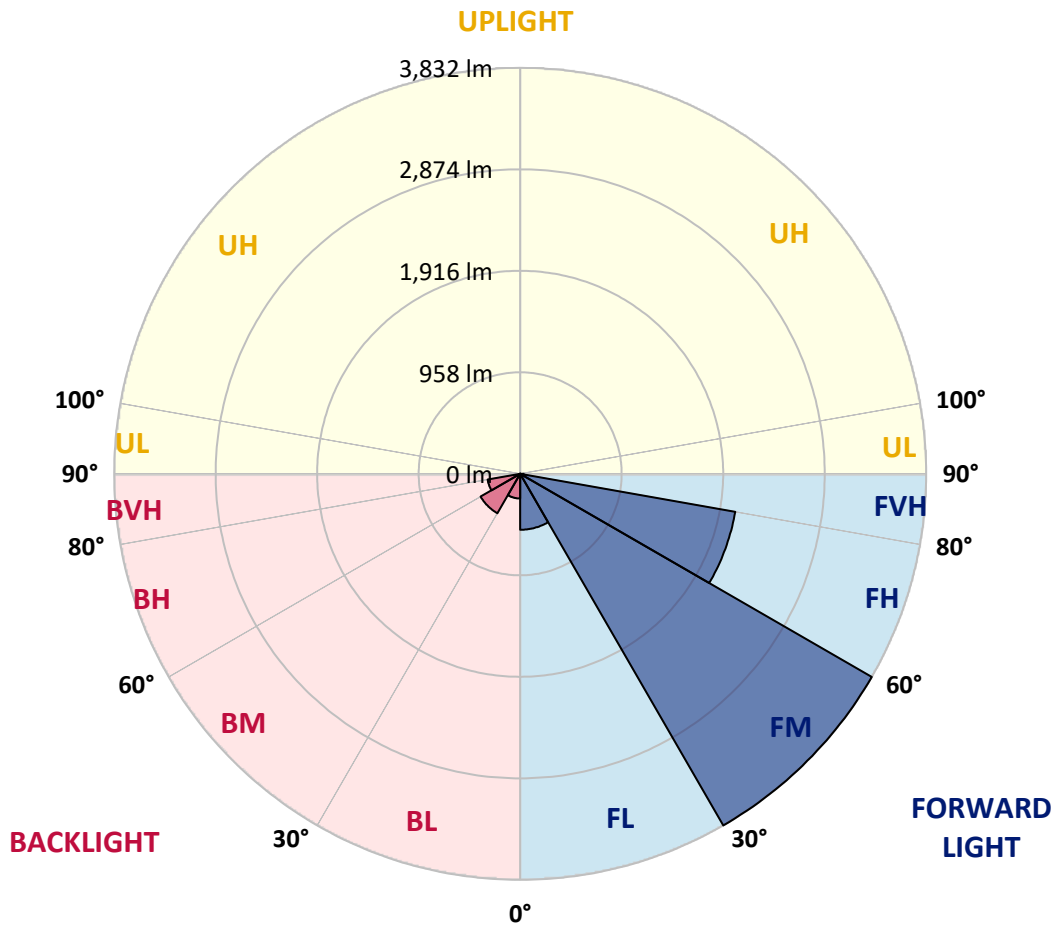
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	528.1	7.1			
FM (30°-60°)	3831.9	51.6			
FH (60°-80°)	2061.3	27.7			G2/5000
FVH (80°-90°)	31.7	0.4			G1/100
BL (0°-30°)	232.7	3.1	B1/500		
BM (30°-60°)	430.5	5.8	B1/1000		
BH (60°-80°)	312.1	4.2	B1/500		G1/500
BVH (80°-90°)	2.7	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3
2.5°	895.5	900.1	895.5	902.4	897.8	895.5	893.2	888.7	886.4	877.2	872.7
5°	881.8	881.8	886.4	895.5	897.8	906.9	906.9	909.2	904.7	902.4	891.0
7.5°	870.4	872.7	877.2	888.7	895.5	913.8	925.2	941.2	941.2	934.4	929.8
10°	900.1	902.4	906.9	920.7	927.5	952.6	966.3	980.0	982.3	984.6	982.3
12.5°	948.1	948.1	952.6	964.1	980.0	1007.5	1025.7	1037.2	1037.2	1044.0	1039.4
15°	1016.6	1014.3	1018.9	1025.7	1034.9	1069.1	1096.6	1114.8	1114.8	1110.3	1096.6
17.5°	1087.4	1092.0	1101.1	1101.1	1105.7	1137.7	1174.2	1201.6	1203.9	1192.5	1165.1
20°	1169.7	1174.2	1176.5	1187.9	1183.4	1213.1	1249.6	1293.0	1297.6	1283.9	1235.9
22.5°	1240.5	1249.6	1261.0	1272.5	1281.6	1311.3	1341.0	1400.4	1405.0	1389.0	1313.6
25°	1334.1	1327.3	1347.9	1357.0	1375.3	1407.3	1446.1	1519.2	1523.8	1496.3	1405.0
27.5°	1423.2	1423.2	1439.2	1466.6	1475.8	1516.9	1558.0	1638.0	1651.7	1619.7	1496.3
30°	1580.9	1592.3	1585.4	1592.3	1583.2	1631.1	1695.1	1779.6	1786.5	1743.1	1603.7
32.5°	1939.5	1935.0	1873.3	1775.1	1733.9	1779.6	1852.7	1930.4	1941.8	1909.8	1711.1
35°	2401.0	2421.6	2314.2	2117.7	1951.0	1951.0	2010.4	2120.0	2126.9	2090.3	1864.2
37.5°	3011.0	2997.3	2839.6	2586.1	2277.6	2179.4	2236.5	2334.8	2346.2	2305.1	2044.6
40°	3426.7	3463.3	3381.1	3129.8	2743.7	2512.9	2483.2	2579.2	2592.9	2554.1	2243.4
42.5°	3753.4	3764.9	3746.6	3625.5	3301.1	2960.7	2789.4	2873.9	2873.9	2809.9	2476.4
45°	3986.4	4000.2	3995.6	3956.8	3794.6	3509.0	3193.7	3200.6	3214.3	3113.8	2711.7
47.5°	4064.1	4064.1	4132.7	4205.8	4210.3	4112.1	3705.5	3559.2	3541.0	3435.9	2963.0
50°	3853.9	3860.8	4029.9	4301.7	4514.2	4653.5	4278.9	3963.6	3920.2	3790.0	3246.3
52.5°	3273.7	3266.8	3559.2	4107.5	4680.9	5053.3	4747.2	4406.8	4347.4	4087.0	3486.1
55°	2631.7	2679.7	2981.3	3518.1	4516.5	5252.1	5121.8	4872.8	4749.5	4420.5	3712.3
57.5°	1980.7	2058.3	2481.0	2935.6	3876.8	5110.4	5343.4	5325.2	5206.4	4706.1	3911.1
60°	1272.5	1343.3	1786.5	2348.5	3132.0	4532.4	5382.3	5617.6	5558.2	4961.9	4105.2
62.5°	831.6	886.4	1160.5	1784.2	2380.4	3426.7	5199.5	5795.8	5738.7	5131.0	4198.9
65°	488.9	509.4	687.6	1222.2	1747.6	2232.0	4708.4	5754.7	5791.2	5279.5	4258.3
67.5°	351.8	354.1	436.3	678.5	1233.6	1288.5	3557.0	5517.1	5597.0	5329.7	4237.7
70°	299.3	308.4	365.5	447.8	863.5	676.2	2060.6	4980.2	5176.7	5261.2	4185.2
72.5°	230.7	244.4	301.6	383.8	619.1	456.9	781.3	4007.0	4274.3	4747.2	3986.4
75°	146.2	159.9	223.9	306.1	438.6	365.5	317.5	2410.1	2693.4	3287.4	3191.4
77.5°	86.8	89.1	137.1	219.3	388.4	271.9	185.0	836.1	1105.7	1601.4	1638.0
80°	43.4	48.0	75.4	139.4	239.9	201.0	111.9	253.6	317.5	552.8	383.8
82.5°	25.1	27.4	41.1	77.7	125.6	118.8	61.7	111.9	125.6	150.8	66.3
85°	2.3	4.6	20.6	32.0	43.4	27.4	25.1	45.7	48.0	68.5	22.8
87.5°	0.0	0.0	2.3	2.3	4.6	4.6	6.9	9.1	9.1	9.1	6.9
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°	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3
2.5°	863.5	863.5	849.8	838.4	831.6	822.4	811.0	806.4	799.6	797.3	799.6
5°	886.4	875.0	849.8	829.3	811.0	795.0	779.0	772.2	765.3	765.3	765.3
7.5°	922.9	909.2	879.5	854.4	831.6	817.9	792.7	767.6	744.7	737.9	733.3
10°	975.5	959.5	927.5	900.1	872.7	822.4	751.6	680.8	630.5	605.4	607.7
12.5°	1028.0	1009.7	980.0	948.1	884.1	763.0	632.8	516.3	440.9	402.1	390.6
15°	1087.4	1066.9	1032.6	984.6	843.0	646.5	461.5	306.1	223.9	196.5	187.3
17.5°	1153.7	1124.0	1089.7	993.8	751.6	475.2	255.9	159.9	134.8	127.9	125.6
20°	1213.1	1187.9	1140.0	952.6	619.1	292.4	143.9	118.8	109.7	105.1	105.1
22.5°	1281.6	1245.1	1187.9	881.8	456.9	164.5	111.9	98.2	89.1	86.8	84.5
25°	1352.4	1306.7	1222.2	785.9	290.1	116.5	93.7	82.2	73.1	68.5	70.8
27.5°	1434.7	1363.8	1235.9	660.2	166.8	98.2	77.7	66.3	59.4	57.1	57.1
30°	1498.6	1434.7	1219.9	518.6	114.2	84.5	64.0	52.5	48.0	45.7	45.7
32.5°	1592.3	1505.5	1176.5	340.4	93.7	70.8	52.5	43.4	38.8	38.8	38.8
35°	1720.2	1599.1	1105.7	203.3	80.0	59.4	43.4	36.6	34.3	34.3	34.3
37.5°	1884.7	1743.1	1041.7	118.8	66.3	48.0	36.6	32.0	29.7	29.7	29.7
40°	2062.9	1905.3	966.3	84.5	54.8	41.1	32.0	27.4	25.1	25.1	27.4
42.5°	2286.8	2090.3	861.3	73.1	48.0	34.3	27.4	22.8	20.6	22.8	22.8
45°	2492.4	2286.8	737.9	61.7	41.1	29.7	22.8	18.3	18.3	20.6	20.6
47.5°	2748.3	2483.2	580.3	54.8	36.6	25.1	18.3	16.0	16.0	18.3	18.3
50°	2981.3	2682.0	427.2	48.0	32.0	20.6	16.0	13.7	13.7	13.7	16.0
52.5°	3216.6	2880.8	326.7	41.1	27.4	18.3	13.7	11.4	9.1	11.4	11.4
55°	3435.9	3038.4	249.0	36.6	22.8	16.0	11.4	9.1	6.9	9.1	9.1
57.5°	3641.5	3159.5	203.3	32.0	20.6	13.7	9.1	6.9	6.9	6.9	6.9
60°	3796.8	3253.1	155.3	27.4	18.3	11.4	6.9	4.6	4.6	4.6	4.6
62.5°	3933.9	3310.2	123.4	22.8	16.0	9.1	4.6	4.6	2.3	2.3	2.3
65°	4018.4	3319.4	98.2	20.6	13.7	9.1	4.6	2.3	0.0	0.0	0.0
67.5°	4052.7	3282.8	80.0	16.0	11.4	6.9	4.6	2.3	0.0	0.0	0.0
70°	4039.0	3161.7	61.7	13.7	9.1	4.6	4.6	2.3	0.0	0.0	0.0
72.5°	3860.8	2803.1	45.7	11.4	6.9	4.6	2.3	2.3	0.0	0.0	0.0
75°	3020.1	1510.1	32.0	9.1	4.6	4.6	2.3	2.3	0.0	0.0	0.0
77.5°	1599.1	536.9	20.6	6.9	4.6	2.3	2.3	2.3	0.0	0.0	0.0
80°	287.8	111.9	9.1	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0
82.5°	45.7	11.4	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0
85°	16.0	6.9	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0
87.5°	4.6	4.6	4.6	4.6	2.3	2.3	2.3	0.0	0.0	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)