

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: P511173

Luminaire Tested: **PRV-P-PA1B-740-U-T4W-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511173  
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-PA1B-740-U-T4W-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

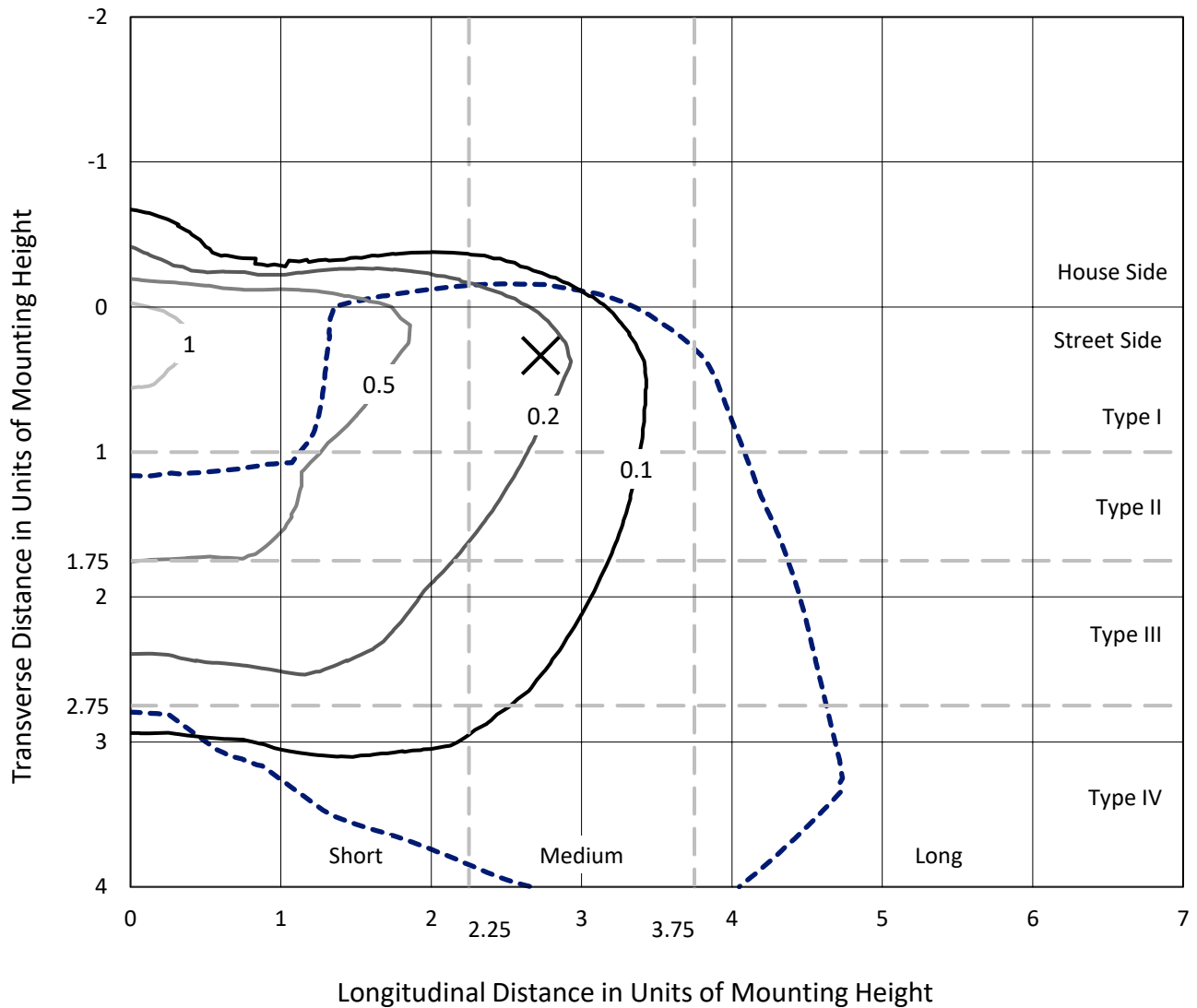
Lumens per Lamp: N/A  
Luminaire Lumens: 5422 lumens  
Efficiency: N/A  
Efficacy: 102.7 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 52.8  
Input Voltage (V): NR  
Input Current (Ain): 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

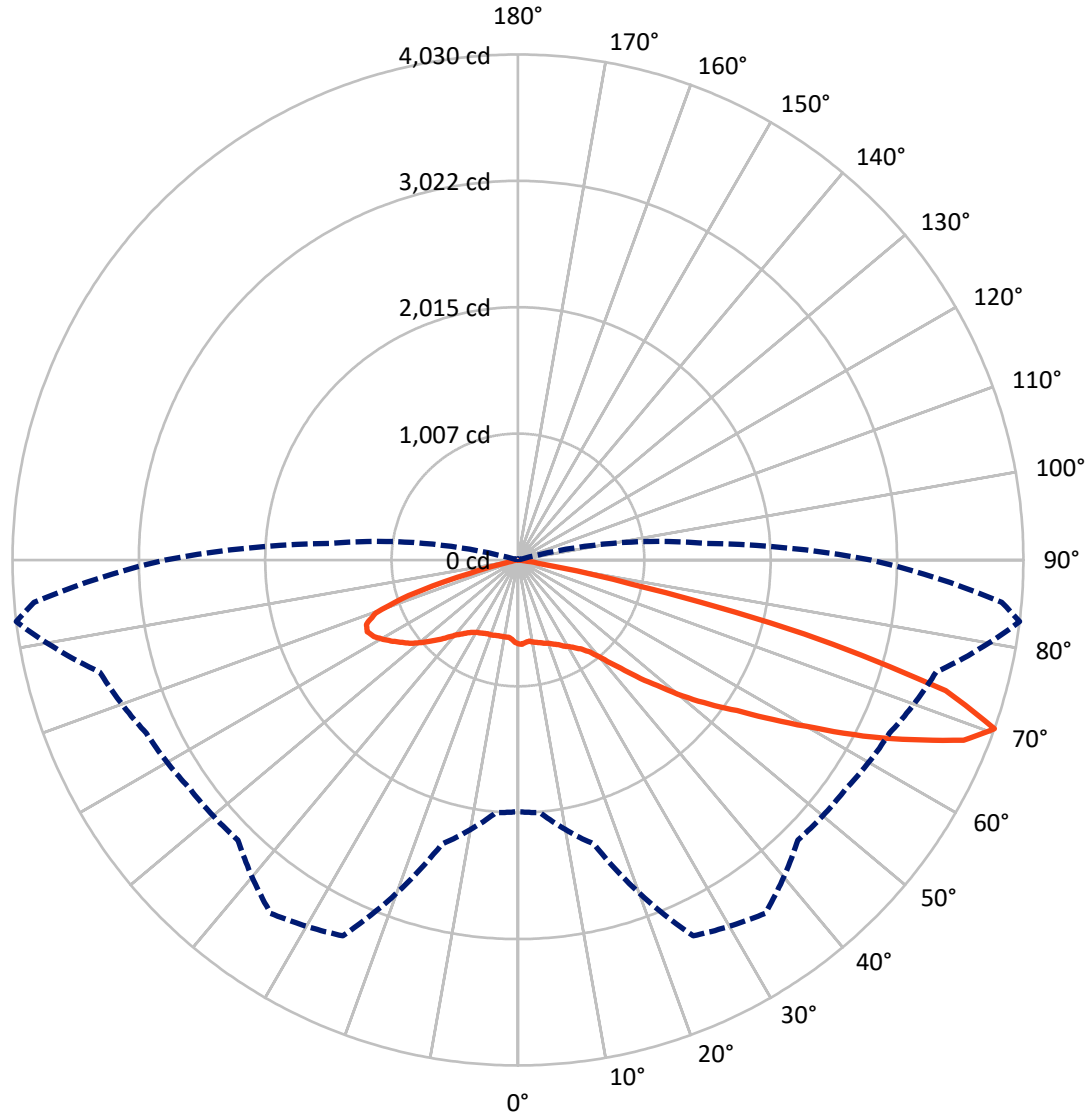
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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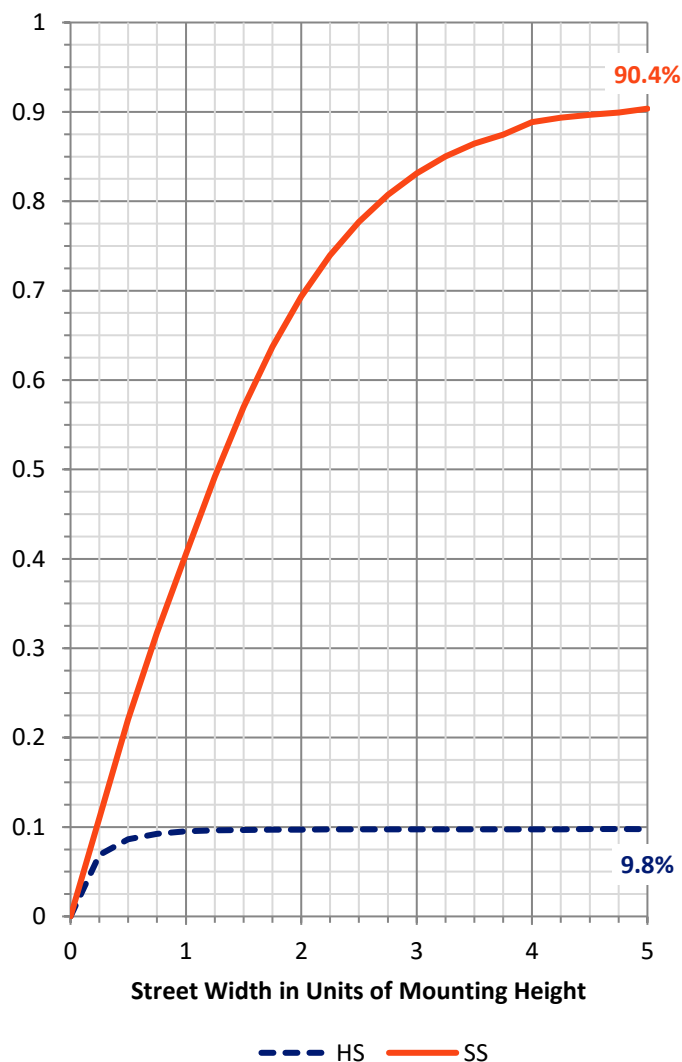
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	533.8	0.0	533.8
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	4888.1	0.0	4888.1
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	5422.0	0.0	5422.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.7	1.1
10°-20°	162.1	3.0
20°-30°	256.6	4.7
30°-40°	362.9	6.7
40°-50°	595.0	11.0
50°-60°	1050.7	19.4
60°-70°	1550.9	28.6
70°-80°	1280.0	23.6
80°-90°	103.1	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°	5422.0	100.0
0°-180°	5422.0	100.0

**Coefficient of Utilization**

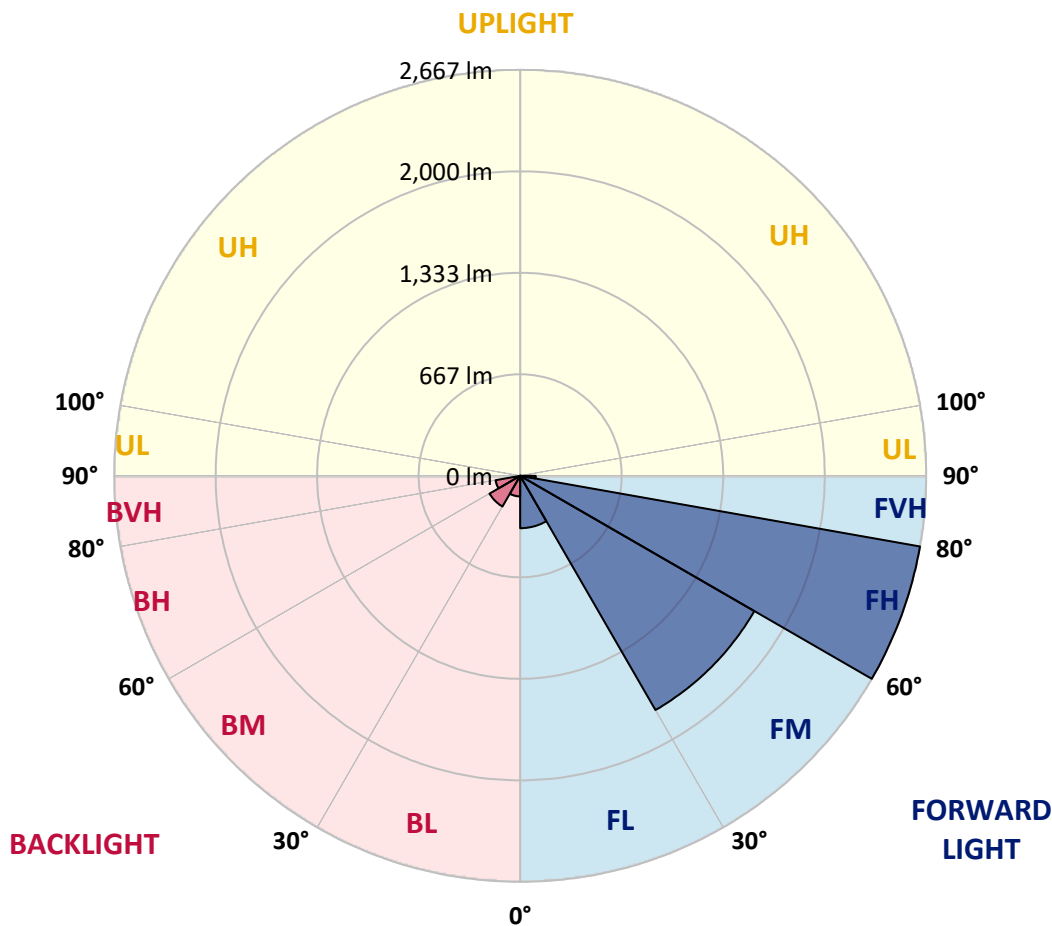


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	344.0	6.3			
FM (30°-60°)	1776.0	32.8			
FH (60°-80°)	2666.5	49.2			G2/5000
FVH (80°-90°)	101.7	1.9			G2/225
BL (0°-30°)	135.4	2.5	B1/500		
BM (30°-60°)	232.6	4.3	B1/1000		
BH (60°-80°)	164.4	3.0	B1/500		G1/500
BVH (80°-90°)	1.4	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°	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0
2.5°	712.5	712.5	709.2	709.2	701.1	697.8	689.6	683.1	674.9	671.7	666.7
5°	751.7	750.1	745.2	740.3	722.3	712.5	699.4	683.1	668.4	658.6	652.0
7.5°	790.9	789.3	784.4	771.3	751.7	733.8	710.9	691.3	668.4	653.7	650.4
10°	833.4	836.7	820.4	802.4	773.0	748.5	727.2	709.2	683.1	665.1	656.9
12.5°	871.0	864.5	849.8	826.9	792.6	764.8	748.5	725.6	697.8	674.9	666.7
15°	895.5	890.6	877.6	848.1	807.3	784.4	764.8	740.3	712.5	684.7	676.6
17.5°	913.5	913.5	898.8	859.6	818.7	804.0	782.8	759.9	725.6	699.4	691.3
20°	923.3	928.2	915.1	875.9	833.4	820.4	804.0	779.5	743.6	709.2	702.7
22.5°	928.2	931.5	931.5	882.5	844.9	835.1	822.0	799.1	758.3	728.8	719.0
25°	928.2	934.8	934.8	884.1	857.9	848.1	841.6	820.4	786.0	748.5	740.3
27.5°	934.8	931.5	938.0	890.6	872.7	871.0	867.8	853.0	813.8	777.9	764.8
30°	931.5	929.9	936.4	897.2	890.6	898.8	900.4	885.7	835.1	800.8	794.2
32.5°	954.4	947.8	941.3	903.7	910.2	928.2	928.2	913.5	866.1	833.4	826.9
35°	1000.1	965.8	959.3	925.0	926.6	944.6	956.0	947.8	902.1	872.7	867.8
37.5°	1003.4	990.3	1006.7	956.0	956.0	975.6	998.5	996.9	965.8	929.9	929.9
40°	1075.3	1065.5	1101.4	1009.9	1000.1	1026.3	1054.1	1072.0	1050.8	1026.3	1023.0
42.5°	1281.2	1269.8	1284.5	1088.4	1063.9	1106.3	1142.3	1176.6	1165.2	1158.6	1155.4
45°	1539.4	1537.8	1547.6	1240.3	1152.1	1202.8	1238.7	1291.0	1300.8	1323.7	1323.7
47.5°	1831.9	1805.8	1791.1	1487.1	1284.5	1294.3	1364.5	1434.8	1485.5	1496.9	1514.9
50°	2032.9	2031.3	2001.9	1804.1	1542.7	1428.3	1511.6	1603.1	1701.2	1704.5	1719.2
52.5°	2199.6	2196.3	2198.0	2129.3	1838.5	1596.6	1678.3	1804.1	1898.9	1908.7	1921.8
55°	2276.4	2286.2	2338.5	2367.9	2166.9	1810.7	1872.8	1997.0	2108.1	2119.5	2149.0
57.5°	2395.7	2390.8	2474.2	2616.3	2508.5	2068.9	2083.6	2211.1	2312.4	2397.4	2417.0
60°	2567.3	2546.1	2629.4	2851.7	2711.1	2292.8	2283.0	2417.0	2542.8	2716.0	2735.6
62.5°	2652.3	2618.0	2758.5	3167.1	2926.8	2505.2	2516.6	2631.0	2784.7	3090.2	3178.5
65°	2508.5	2493.8	2812.4	3163.8	3181.8	2702.9	2753.6	2843.5	3051.0	3453.0	3559.3
67.5°	2139.2	2155.5	2688.2	3263.5	3327.2	2923.6	2974.2	3100.1	3279.8	3833.8	3833.8
70°	2006.8	2021.5	2345.1	3306.0	3438.3	3157.3	3188.3	3268.4	3451.4	4029.9	3873.0
72.5°	1709.4	1735.5	2090.1	3193.2	3582.1	3390.9	3335.4	3392.6	3422.0	3565.8	3270.0
75°	653.7	689.6	1336.8	2472.5	3533.1	3649.1	3454.7	3235.7	2884.3	2358.1	2117.9
77.5°	127.5	130.7	310.5	1176.6	2542.8	3441.6	3185.0	2493.8	1626.0	921.7	895.5
80°	50.7	53.9	93.1	348.1	1166.8	1988.8	2082.0	1255.1	518.0	189.6	158.5
82.5°	21.2	21.2	44.1	122.6	408.5	506.6	720.7	400.4	137.3	47.4	40.9
85°	3.3	3.3	14.7	44.1	65.4	37.6	176.5	80.1	67.0	18.0	14.7
87.5°	0.0	0.0	1.6	1.6	3.3	3.3	4.9	6.5	9.8	3.3	3.3
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°	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0	670.0
2.5°	665.1	658.6	647.1	639.0	634.1	629.2	627.5	617.7	621.0	619.4	619.4
5°	645.5	635.7	621.0	603.0	593.2	583.4	572.0	562.2	555.6	550.7	560.5
7.5°	637.3	625.9	598.1	575.2	552.4	526.2	503.3	482.1	470.6	462.5	462.5
10°	642.2	629.2	594.8	557.3	509.9	454.3	410.2	371.0	356.3	348.1	335.0
12.5°	648.8	630.8	588.3	529.5	455.9	371.0	305.6	258.2	240.2	230.4	228.8
15°	658.6	634.1	581.8	491.9	384.0	279.4	204.3	176.5	178.1	184.7	186.3
17.5°	668.4	642.2	572.0	449.4	308.9	201.0	163.4	158.5	163.4	173.2	174.9
20°	678.2	653.7	558.9	397.1	233.7	158.5	150.3	150.3	155.2	165.1	166.7
22.5°	692.9	660.2	537.6	333.4	174.9	145.4	143.8	145.4	148.7	156.9	160.2
25°	714.1	674.9	511.5	269.6	145.4	138.9	138.9	137.3	138.9	147.1	150.3
27.5°	733.8	696.2	485.4	204.3	129.1	129.1	130.7	129.1	129.1	135.6	138.9
30°	761.5	717.4	447.8	152.0	119.3	117.7	119.3	119.3	119.3	124.2	127.5
32.5°	797.5	748.5	408.5	122.6	109.5	106.2	106.2	109.5	109.5	112.8	114.4
35°	846.5	789.3	362.8	107.9	101.3	96.4	93.1	96.4	99.7	101.3	103.0
37.5°	911.9	843.2	313.8	99.7	94.8	88.2	83.3	83.3	85.0	88.2	91.5
40°	1018.1	905.3	253.3	94.8	89.9	80.1	73.5	71.9	71.9	73.5	75.2
42.5°	1155.4	983.8	189.6	91.5	86.6	71.9	65.4	60.5	57.2	57.2	58.8
45°	1318.8	1076.9	140.5	86.6	85.0	65.4	57.2	50.7	42.5	40.9	42.5
47.5°	1510.0	1157.0	104.6	80.1	78.4	57.2	49.0	39.2	29.4	29.4	29.4
50°	1706.1	1245.3	85.0	71.9	70.3	52.3	39.2	27.8	21.2	21.2	22.9
52.5°	1903.8	1330.2	76.8	65.4	63.7	47.4	29.4	19.6	16.3	18.0	18.0
55°	2090.1	1397.2	73.5	60.5	57.2	40.9	22.9	14.7	13.1	14.7	14.7
57.5°	2300.9	1469.1	68.6	55.6	47.4	31.0	18.0	13.1	11.4	13.1	13.1
60°	2511.7	1542.7	62.1	50.7	37.6	22.9	14.7	11.4	9.8	11.4	11.4
62.5°	2709.5	1611.3	52.3	42.5	29.4	18.0	13.1	9.8	8.2	9.8	11.4
65°	2864.7	1653.8	37.6	32.7	22.9	16.3	11.4	8.2	6.5	8.2	9.8
67.5°	2933.4	1632.6	27.8	24.5	18.0	13.1	9.8	6.5	4.9	6.5	8.2
70°	2815.7	1510.0	19.6	18.0	13.1	11.4	8.2	4.9	3.3	4.9	6.5
72.5°	2283.0	1143.9	16.3	14.7	9.8	9.8	8.2	4.9	3.3	3.3	3.3
75°	1395.6	498.4	13.1	11.4	6.5	8.2	6.5	3.3	1.6	3.3	3.3
77.5°	511.5	111.1	9.8	6.5	4.9	6.5	4.9	3.3	1.6	1.6	1.6
80°	117.7	26.1	4.9	3.3	3.3	3.3	3.3	1.6	1.6	1.6	1.6
82.5°	29.4	4.9	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	11.4	3.3	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
87.5°	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	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)