

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: P511169

Luminaire Tested: **PRV-P-PA1B-740-U-T2U-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511169  
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-PA1B-740-U-T2U-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

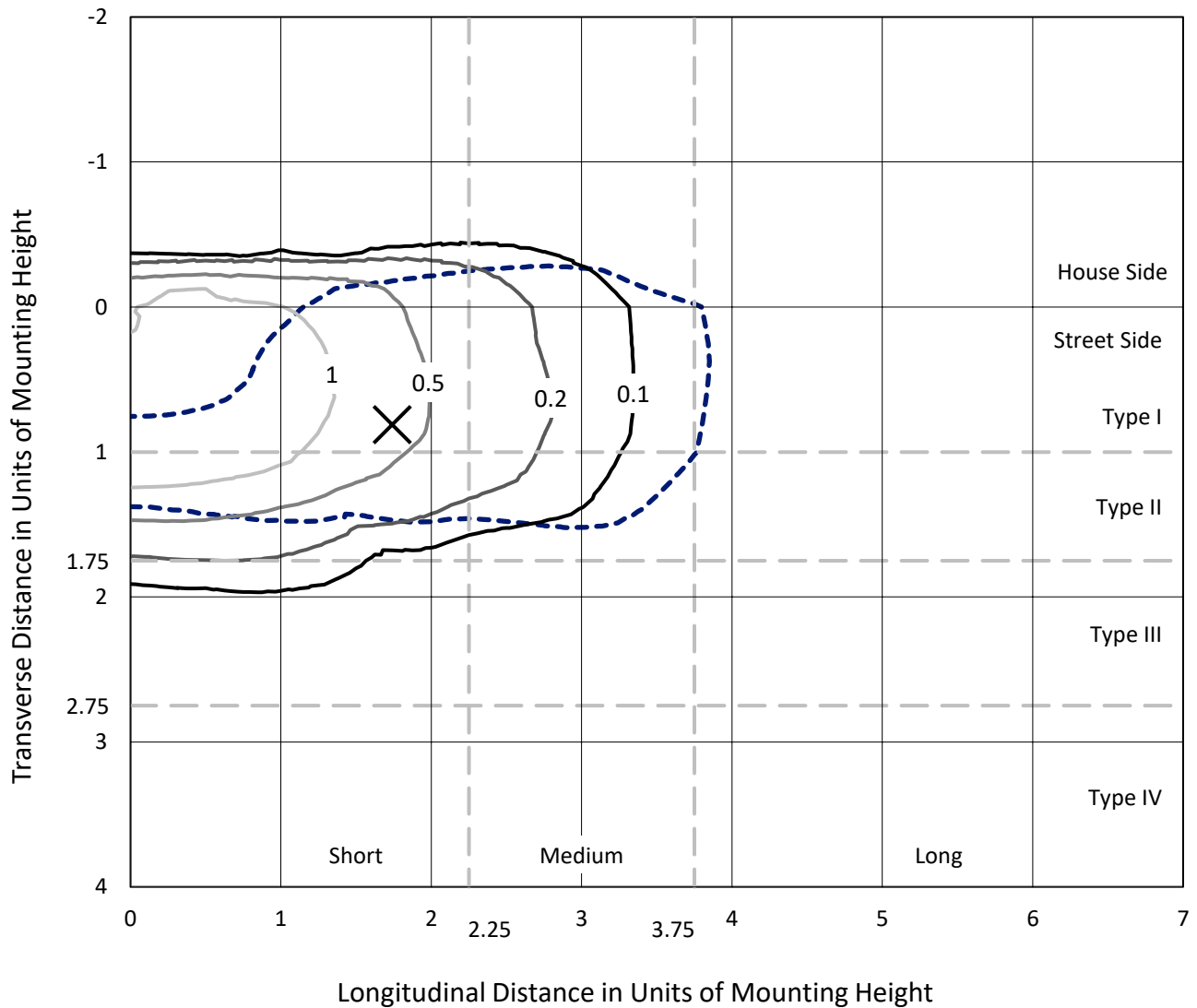
Lumens per Lamp: N/A  
Luminaire Lumens: 5316 lumens  
Efficiency: N/A  
Efficacy: 100.7 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 52.8  
Input Voltage (V): NR  
Input Current (Ain): 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

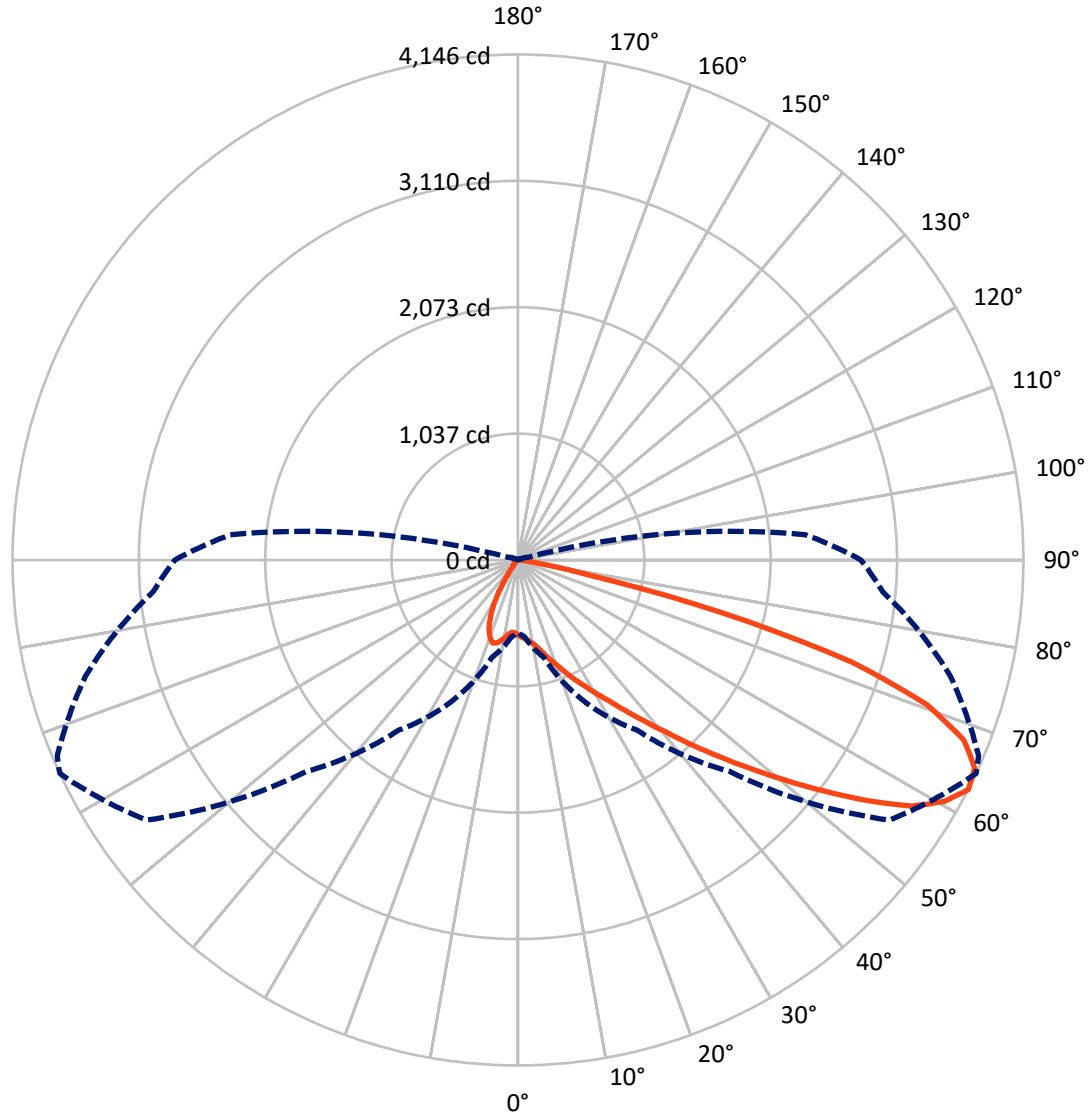
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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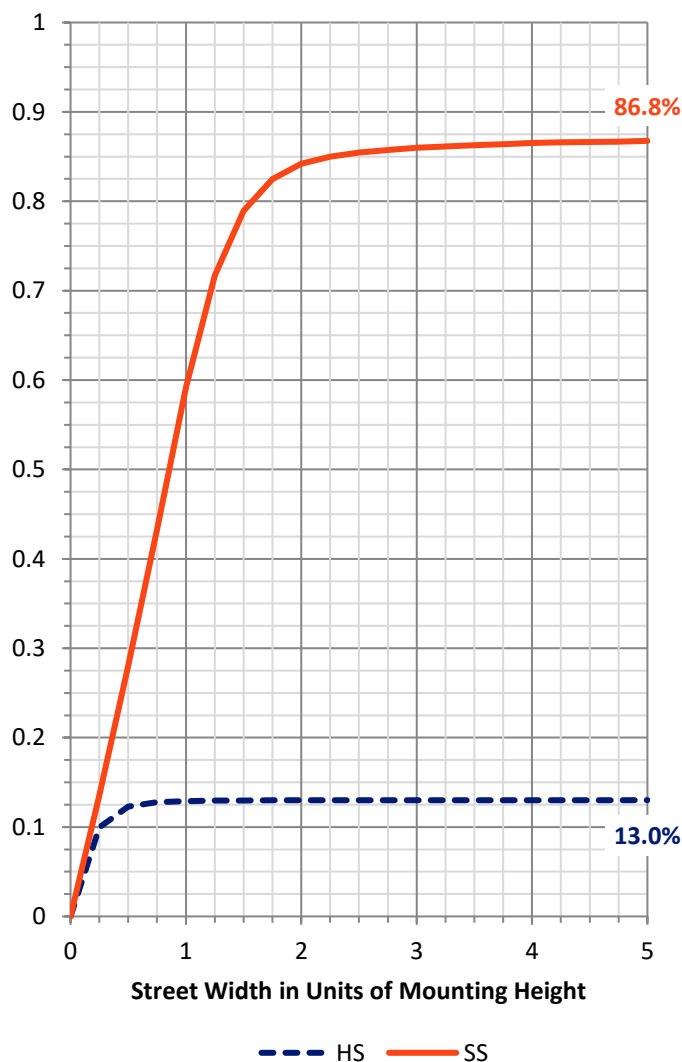
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	699.6	0.0	699.6
	% Fixture	13.2	0.0	13.2
<b>Street Side</b>	Lumens	4616.4	0.0	4616.4
	% Fixture	86.8	0.0	86.8
<b>Total</b>	Lumens	5316.0	0.0	5316.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.8	1.1
10°-20°	174.5	3.3
20°-30°	311.1	5.9
30°-40°	567.6	10.7
40°-50°	1066.9	20.1
50°-60°	1414.6	26.6
60°-70°	1175.7	22.1
70°-80°	522.2	9.8
80°-90°	24.6	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°	5316.0	100.0
0°-180°	5316.0	100.0

**Coefficient of Utilization**

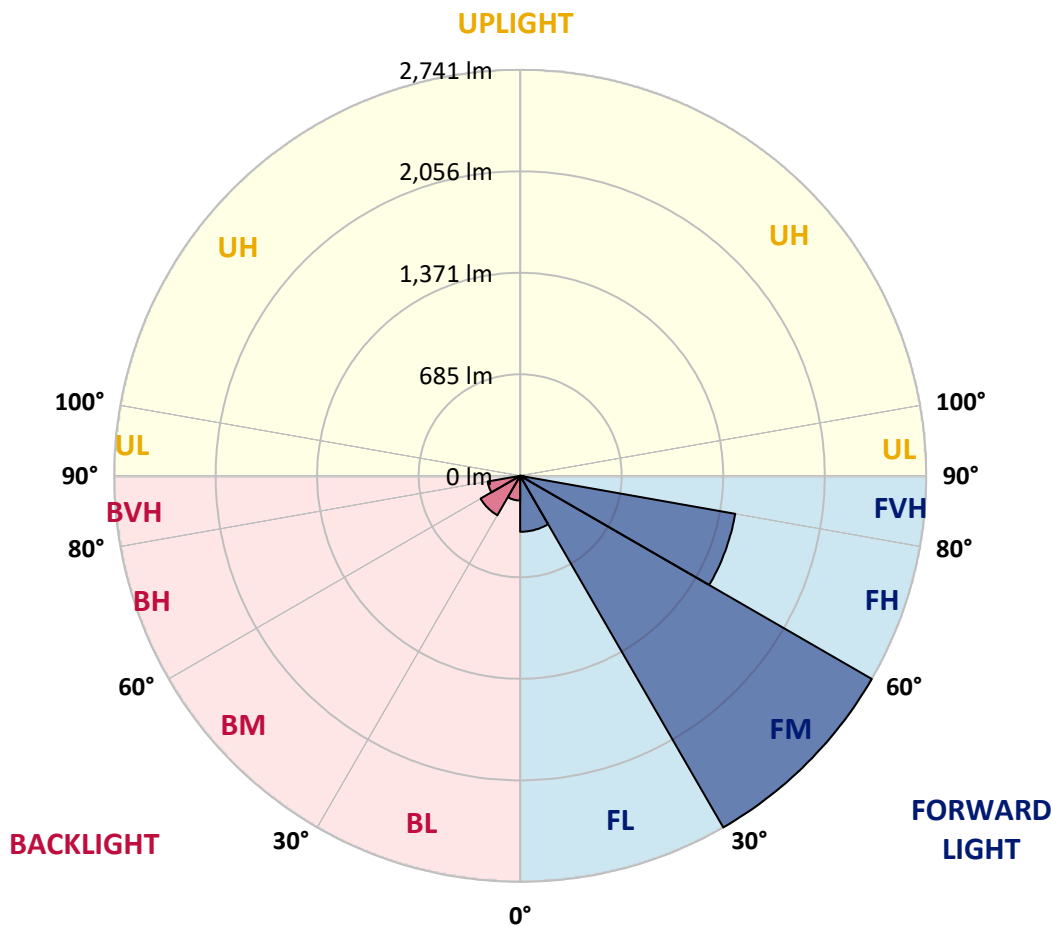


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	377.8	7.1			
FM (30°-60°)	2741.3	51.6			
FH (60°-80°)	1474.6	27.7			G1/1800
FVH (80°-90°)	22.7	0.4			G1/100
BL (0°-30°)	166.5	3.1	B1/500		
BM (30°-60°)	307.9	5.8	B1/1000		
BH (60°-80°)	223.3	4.2	B1/500		G1/500
BVH (80°-90°)	1.9	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-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1
2.5°	640.6	643.9	640.6	645.5	642.3	640.6	639.0	635.7	634.1	627.6	624.3
5°	630.8	630.8	634.1	640.6	642.3	648.8	648.8	650.4	647.2	645.5	637.4
7.5°	622.7	624.3	627.6	635.7	640.6	653.7	661.9	673.3	673.3	668.4	665.2
10°	643.9	645.5	648.8	658.6	663.5	681.5	691.3	701.1	702.7	704.4	702.7
12.5°	678.2	678.2	681.5	689.7	701.1	720.7	733.8	742.0	742.0	746.9	743.6
15°	727.3	725.6	728.9	733.8	740.3	764.8	784.5	797.5	797.5	794.3	784.5
17.5°	777.9	781.2	787.7	787.7	791.0	813.9	840.0	859.6	861.3	853.1	833.5
20°	836.8	840.0	841.7	849.8	846.6	867.8	894.0	925.0	928.3	918.5	884.1
22.5°	887.4	894.0	902.1	910.3	916.8	938.1	959.3	1001.8	1005.1	993.6	939.7
25°	954.4	949.5	964.2	970.8	983.8	1006.7	1034.5	1086.8	1090.1	1070.5	1005.1
27.5°	1018.2	1018.2	1029.6	1049.2	1055.7	1085.2	1114.6	1171.8	1181.6	1158.7	1070.5
30°	1130.9	1139.1	1134.2	1139.1	1132.6	1166.9	1212.6	1273.1	1278.0	1247.0	1147.3
32.5°	1387.5	1384.2	1340.1	1269.8	1240.4	1273.1	1325.4	1381.0	1389.1	1366.3	1224.1
35°	1717.6	1732.3	1655.5	1515.0	1395.7	1395.7	1438.2	1516.6	1521.5	1495.4	1333.6
37.5°	2154.0	2144.2	2031.4	1850.0	1629.4	1559.1	1600.0	1670.2	1678.4	1649.0	1462.7
40°	2451.4	2477.6	2418.7	2239.0	1962.8	1797.7	1776.5	1845.1	1854.9	1827.1	1604.9
42.5°	2685.1	2693.3	2680.2	2593.6	2361.5	2118.0	1995.5	2055.9	2055.9	2010.2	1771.6
45°	2851.8	2861.6	2858.4	2830.6	2714.6	2510.3	2284.7	2289.6	2299.4	2227.5	1939.9
47.5°	2907.4	2907.4	2956.4	3008.7	3012.0	2941.7	2650.8	2546.2	2533.1	2458.0	2119.7
50°	2757.0	2761.9	2882.9	3077.4	3229.4	3329.0	3061.0	2835.5	2804.4	2711.3	2322.3
52.5°	2341.9	2337.0	2546.2	2938.4	3348.7	3615.0	3396.1	3152.5	3110.0	2923.7	2493.9
55°	1882.7	1917.0	2132.7	2516.8	3231.0	3757.2	3664.1	3485.9	3397.7	3162.3	2655.7
57.5°	1416.9	1472.5	1774.8	2100.1	2773.4	3655.9	3822.6	3809.5	3724.5	3366.6	2797.9
60°	910.3	961.0	1278.0	1680.0	2240.6	3242.4	3850.4	4018.7	3976.2	3549.7	2936.8
62.5°	594.9	634.1	830.2	1276.4	1702.9	2451.4	3719.6	4146.2	4105.3	3670.6	3003.8
65°	349.7	364.4	491.9	874.3	1250.2	1596.7	3368.3	4116.8	4142.9	3776.8	3046.3
67.5°	251.7	253.3	312.1	485.4	882.5	921.7	2544.6	3946.8	4004.0	3812.8	3031.6
70°	214.1	220.6	261.5	320.3	617.8	483.7	1474.1	3562.7	3703.3	3763.8	2994.0
72.5°	165.1	174.9	215.7	274.6	442.9	326.9	558.9	2866.5	3057.8	3396.1	2851.8
75°	104.6	114.4	160.2	219.0	313.8	261.5	227.2	1724.2	1926.8	2351.7	2283.1
77.5°	62.1	63.7	98.1	156.9	277.8	194.5	132.4	598.1	791.0	1145.6	1171.8
80°	31.1	34.3	53.9	99.7	171.6	143.8	80.1	181.4	227.2	395.5	274.6
82.5°	18.0	19.6	29.4	55.6	89.9	85.0	44.1	80.1	89.9	107.9	47.4
85°	1.6	3.3	14.7	22.9	31.1	19.6	18.0	32.7	34.3	49.0	16.3
87.5°	0.0	0.0	1.6	1.6	3.3	3.3	4.9	6.5	6.5	6.5	4.9
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°	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1	616.1
2.5°	617.8	617.8	608.0	599.8	594.9	588.3	580.2	576.9	572.0	570.4	572.0
5°	634.1	625.9	608.0	593.2	580.2	568.7	557.3	552.4	547.5	547.5	547.5
7.5°	660.3	650.4	629.2	611.2	594.9	585.1	567.1	549.1	532.8	527.9	524.6
10°	697.8	686.4	663.5	643.9	624.3	588.3	537.7	487.0	451.1	433.1	434.7
12.5°	735.4	722.4	701.1	678.2	632.5	545.9	452.7	369.3	315.4	287.6	279.5
15°	777.9	763.2	738.7	704.4	603.1	462.5	330.1	219.0	160.2	140.5	134.0
17.5°	825.3	804.1	779.6	710.9	537.7	339.9	183.0	114.4	96.4	91.5	89.9
20°	867.8	849.8	815.5	681.5	442.9	209.2	103.0	85.0	78.4	75.2	75.2
22.5°	916.8	890.7	849.8	630.8	326.9	117.7	80.1	70.3	63.7	62.1	60.5
25°	967.5	934.8	874.3	562.2	207.6	83.3	67.0	58.8	52.3	49.0	50.7
27.5°	1026.3	975.7	884.1	472.3	119.3	70.3	55.6	47.4	42.5	40.9	40.9
30°	1072.1	1026.3	872.7	371.0	81.7	60.5	45.8	37.6	34.3	32.7	32.7
32.5°	1139.1	1077.0	841.7	243.5	67.0	50.7	37.6	31.1	27.8	27.8	27.8
35°	1230.6	1144.0	791.0	145.5	57.2	42.5	31.1	26.1	24.5	24.5	24.5
37.5°	1348.3	1247.0	745.2	85.0	47.4	34.3	26.1	22.9	21.2	21.2	21.2
40°	1475.8	1363.0	691.3	60.5	39.2	29.4	22.9	19.6	18.0	18.0	19.6
42.5°	1635.9	1495.4	616.1	52.3	34.3	24.5	19.6	16.3	14.7	16.3	16.3
45°	1783.0	1635.9	527.9	44.1	29.4	21.2	16.3	13.1	13.1	14.7	14.7
47.5°	1966.0	1776.5	415.1	39.2	26.1	18.0	13.1	11.4	11.4	13.1	13.1
50°	2132.7	1918.7	305.6	34.3	22.9	14.7	11.4	9.8	9.8	9.8	11.4
52.5°	2301.1	2060.8	233.7	29.4	19.6	13.1	9.8	8.2	6.5	8.2	8.2
55°	2458.0	2173.6	178.1	26.1	16.3	11.4	8.2	6.5	4.9	6.5	6.5
57.5°	2605.1	2260.2	145.5	22.9	14.7	9.8	6.5	4.9	4.9	4.9	4.9
60°	2716.2	2327.2	111.1	19.6	13.1	8.2	4.9	3.3	3.3	3.3	3.3
62.5°	2814.2	2368.1	88.3	16.3	11.4	6.5	3.3	3.3	1.6	1.6	1.6
65°	2874.7	2374.6	70.3	14.7	9.8	6.5	3.3	1.6	0.0	0.0	0.0
67.5°	2899.2	2348.5	57.2	11.4	8.2	4.9	3.3	1.6	0.0	0.0	0.0
70°	2889.4	2261.9	44.1	9.8	6.5	3.3	3.3	1.6	0.0	0.0	0.0
72.5°	2761.9	2005.3	32.7	8.2	4.9	3.3	1.6	1.6	0.0	0.0	0.0
75°	2160.5	1080.3	22.9	6.5	3.3	3.3	1.6	1.6	0.0	0.0	0.0
77.5°	1144.0	384.1	14.7	4.9	3.3	1.6	1.6	1.6	0.0	0.0	0.0
80°	205.9	80.1	6.5	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0
82.5°	32.7	8.2	3.3	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0
85°	11.4	4.9	3.3	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0
87.5°	3.3	3.3	3.3	3.3	1.6	1.6	1.6	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)