

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: P511241

Luminaire Tested: **PRV-P-PA1C-740-U-T2U-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511241  
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-PA1C-740-U-T2U-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

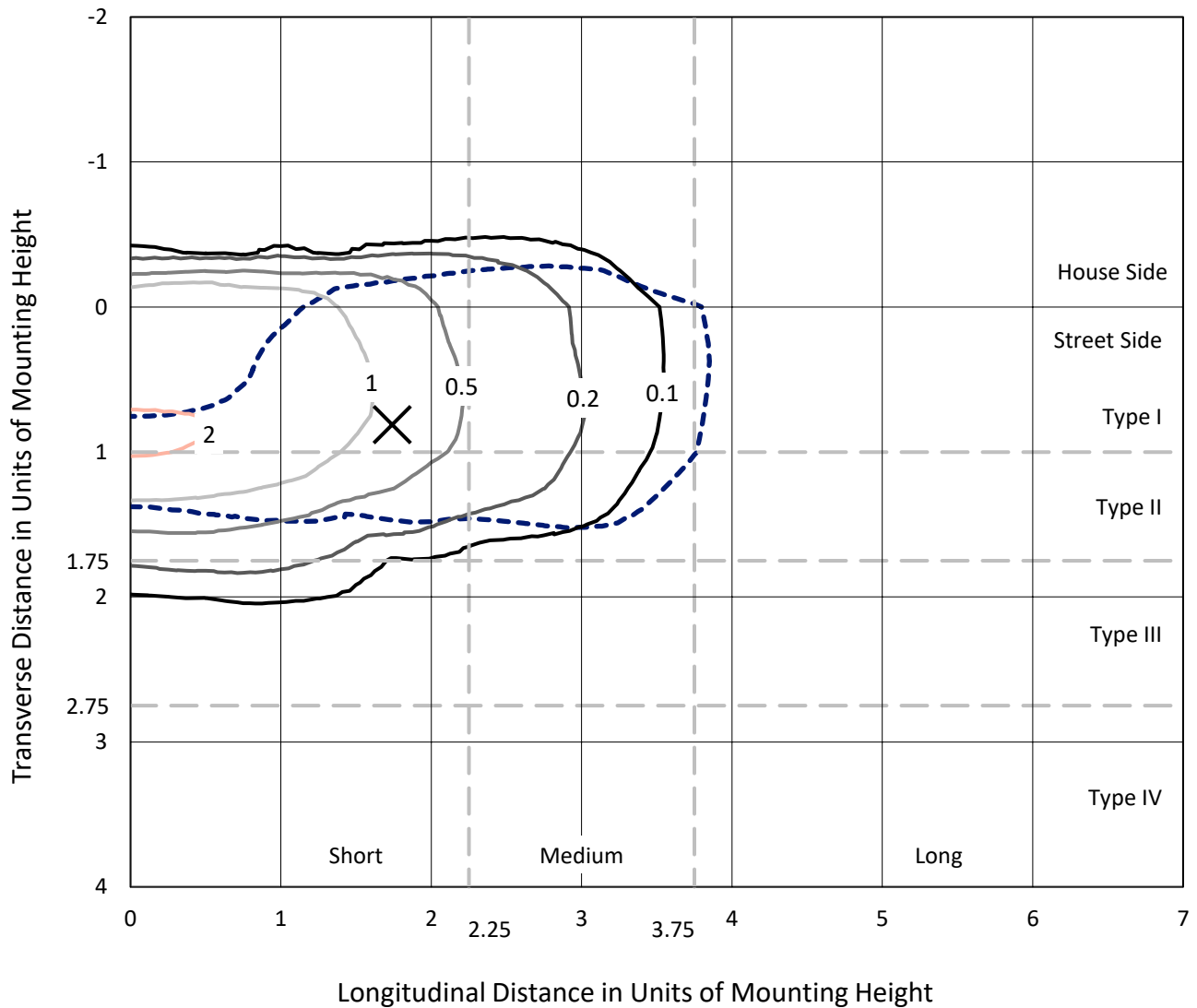
Lumens per Lamp: N/A  
Luminaire Lumens: 6856 lumens  
Efficiency: N/A  
Efficacy: 95.1 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 72.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

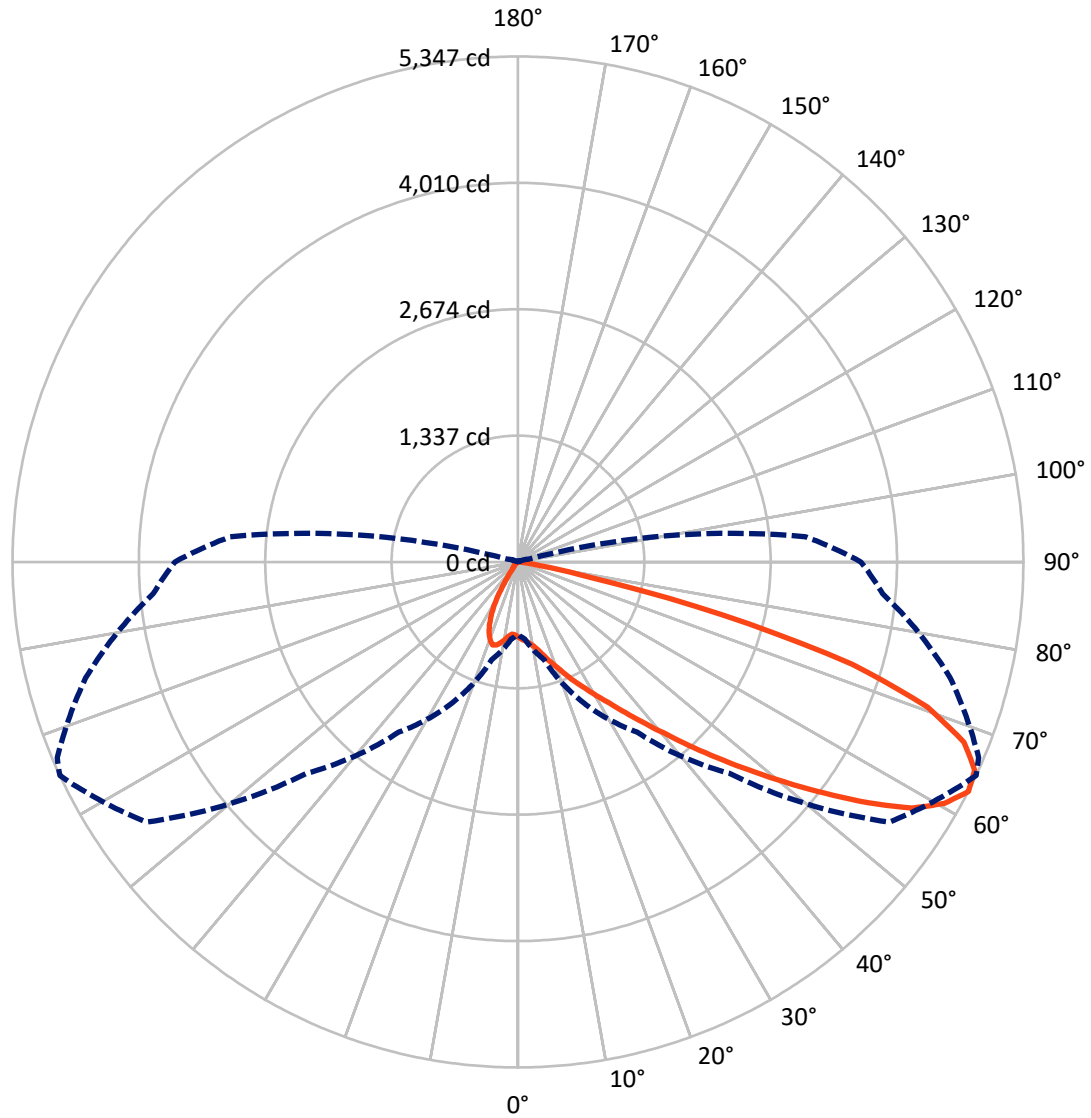
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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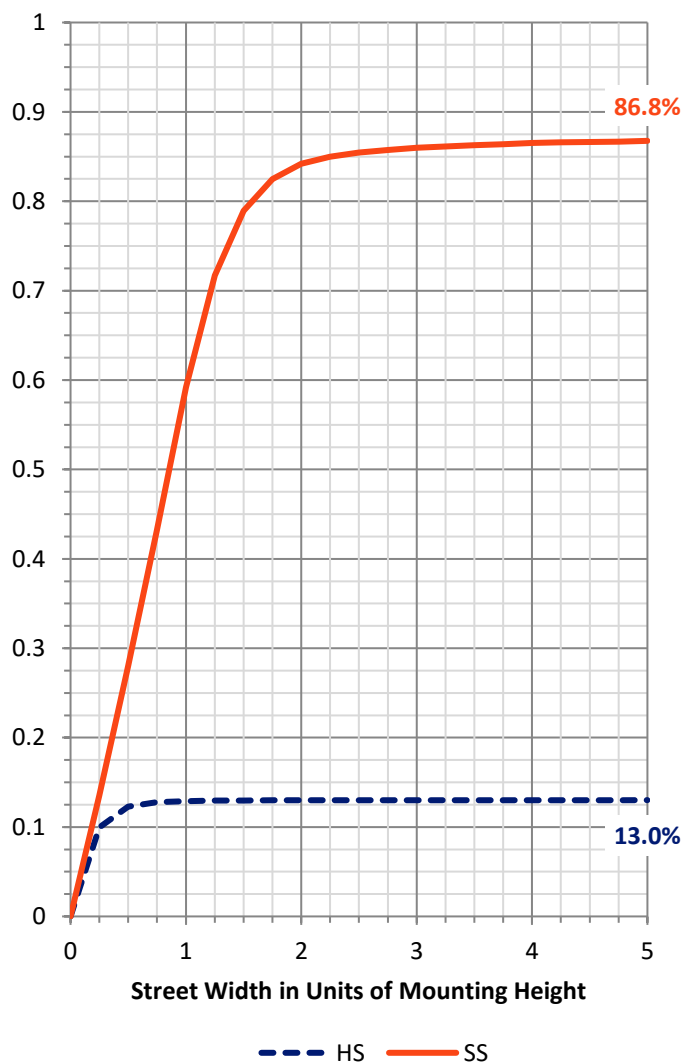
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	902.3	0.0	902.3
	% Fixture	13.2	0.0	13.2
<b>Street Side</b>	Lumens	5953.7	0.0	5953.7
	% Fixture	86.8	0.0	86.8
<b>Total</b>	Lumens	6856.0	0.0	6856.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.8	1.1
10°-20°	225.0	3.3
20°-30°	401.2	5.9
30°-40°	732.1	10.7
40°-50°	1376.0	20.1
50°-60°	1824.5	26.6
60°-70°	1516.3	22.1
70°-80°	673.5	9.8
80°-90°	31.7	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°	6856.0	100.0
0°-180°	6856.0	100.0

**Coefficient of Utilization**



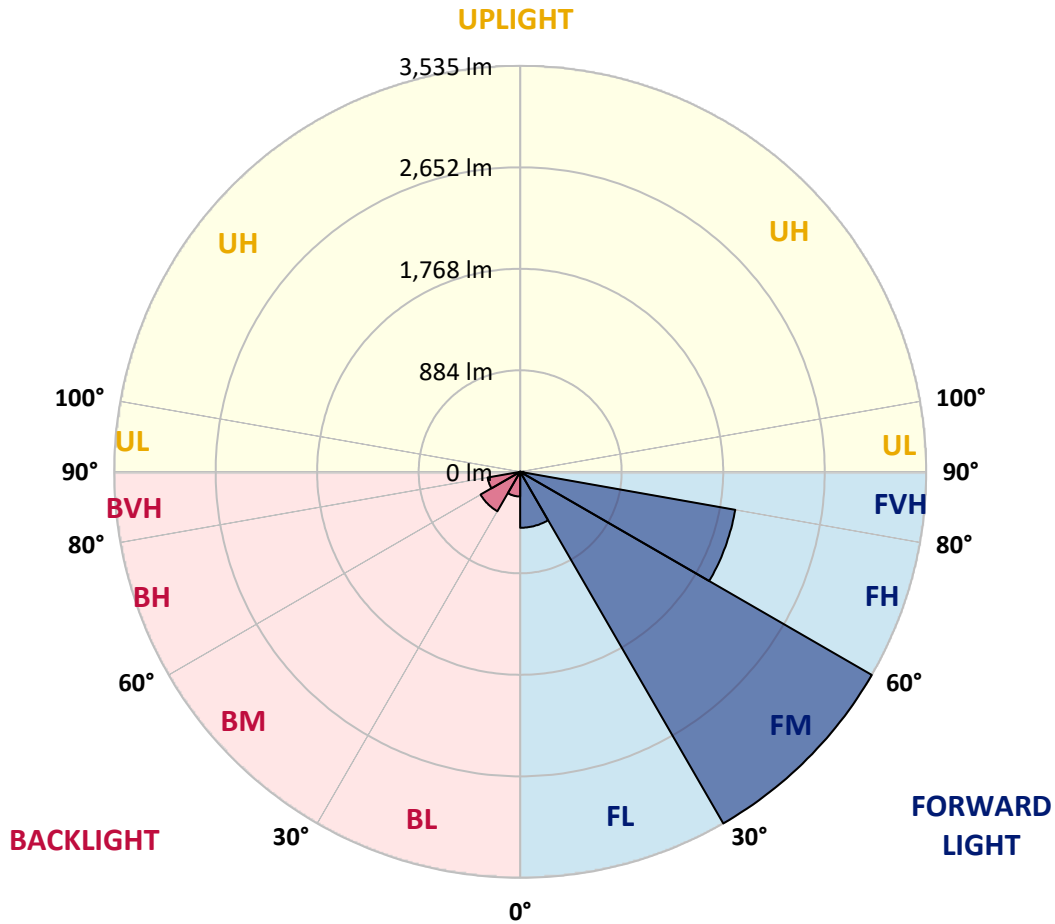
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	487.3	7.1			
FM (30°-60°)	3535.4	51.6			
FH (60°-80°)	1901.8	27.7			G2/5000
FVH (80°-90°)	29.3	0.4			G1/100
BL (0°-30°)	214.7	3.1	B1/500		
BM (30°-60°)	397.1	5.8	B1/1000		
BH (60°-80°)	288.0	4.2	B1/500		G1/500
BVH (80°-90°)	2.4	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	794.6	794.6	794.6	794.6	794.6	794.6	794.6	794.6	794.6	794.6	794.6
2.5°	826.2	830.4	826.2	832.6	828.3	826.2	824.1	819.9	817.8	809.4	805.2
5°	813.6	813.6	817.8	826.2	828.3	836.8	836.8	838.9	834.7	832.6	822.0
7.5°	803.0	805.2	809.4	819.9	826.2	843.1	853.6	868.4	868.4	862.1	857.8
10°	830.4	832.6	836.8	849.4	855.7	878.9	891.6	904.2	906.3	908.4	906.3
12.5°	874.7	874.7	878.9	889.5	904.2	929.5	946.4	956.9	956.9	963.2	959.0
15°	937.9	935.8	940.0	946.4	954.8	986.4	1011.7	1028.6	1028.6	1024.4	1011.7
17.5°	1003.3	1007.5	1015.9	1015.9	1020.1	1049.6	1083.4	1108.7	1110.8	1100.2	1074.9
20°	1079.2	1083.4	1085.5	1096.0	1091.8	1119.2	1152.9	1193.0	1197.2	1184.5	1140.3
22.5°	1144.5	1152.9	1163.5	1174.0	1182.4	1209.8	1237.2	1292.0	1296.3	1281.5	1211.9
25°	1230.9	1224.6	1243.6	1252.0	1268.9	1298.4	1334.2	1401.6	1405.9	1380.6	1296.3
27.5°	1313.1	1313.1	1327.9	1353.2	1361.6	1399.5	1437.5	1511.2	1523.9	1494.4	1380.6
30°	1458.5	1469.1	1462.8	1469.1	1460.7	1504.9	1563.9	1641.9	1648.2	1608.2	1479.6
32.5°	1789.5	1785.2	1728.3	1637.7	1599.8	1641.9	1709.4	1781.0	1791.6	1762.1	1578.7
35°	2215.2	2234.2	2135.1	1953.9	1800.0	1800.0	1854.8	1956.0	1962.3	1928.6	1719.9
37.5°	2778.0	2765.3	2619.9	2385.9	2101.4	2010.8	2063.5	2154.1	2164.6	2126.7	1886.4
40°	3161.6	3195.3	3119.4	2887.6	2531.4	2318.5	2291.1	2379.6	2392.3	2356.4	2069.8
42.5°	3463.0	3473.5	3456.7	3345.0	3045.7	2731.6	2573.5	2651.5	2651.5	2592.5	2284.8
45°	3678.0	3690.6	3686.4	3650.6	3500.9	3237.5	2946.6	2952.9	2965.6	2872.8	2501.9
47.5°	3749.6	3749.6	3812.9	3880.3	3884.5	3793.9	3418.7	3283.8	3267.0	3170.0	2733.7
50°	3555.7	3562.1	3718.0	3968.9	4164.9	4293.4	3947.8	3656.9	3616.9	3496.7	2995.1
52.5°	3020.4	3014.0	3283.8	3789.7	4318.7	4662.3	4379.9	4065.8	4011.0	3770.7	3216.4
55°	2428.1	2472.4	2750.6	3245.9	4167.0	4845.7	4725.5	4495.8	4382.0	4078.5	3425.1
57.5°	1827.4	1899.1	2289.0	2708.4	3576.8	4715.0	4930.0	4913.1	4803.5	4341.9	3608.4
60°	1174.0	1239.3	1648.2	2166.7	2889.7	4181.7	4965.8	5182.9	5128.1	4578.0	3787.6
62.5°	767.2	817.8	1070.7	1646.1	2196.3	3161.6	4797.2	5347.3	5294.6	4734.0	3874.0
65°	451.1	470.0	634.4	1127.6	1612.4	2059.2	4344.0	5309.4	5343.1	4871.0	3928.8
67.5°	324.6	326.7	402.6	626.0	1138.2	1188.8	3281.7	5090.2	5163.9	4917.3	3909.8
70°	276.1	284.5	337.2	413.1	796.7	623.9	1901.2	4594.8	4776.1	4854.1	3861.4
72.5°	212.9	225.5	278.2	354.1	571.2	421.5	720.8	3697.0	3943.6	4379.9	3678.0
75°	134.9	147.5	206.6	282.4	404.7	337.2	293.0	2223.7	2485.0	3033.0	2944.5
77.5°	80.1	82.2	126.5	202.3	358.3	250.8	170.7	771.4	1020.1	1477.5	1511.2
80°	40.0	44.3	69.6	128.6	221.3	185.5	103.3	234.0	293.0	510.1	354.1
82.5°	23.2	25.3	37.9	71.7	115.9	109.6	56.9	103.3	115.9	139.1	61.1
85°	2.1	4.2	19.0	29.5	40.0	25.3	23.2	42.2	44.3	63.2	21.1
87.5°	0.0	0.0	2.1	2.1	4.2	4.2	6.3	8.4	8.4	8.4	6.3
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°	794.6	794.6	794.6	794.6	794.6	794.6	794.6	794.6	794.6	794.6	794.6
2.5°	796.7	796.7	784.1	773.5	767.2	758.8	748.2	744.0	737.7	735.6	737.7
5°	817.8	807.3	784.1	765.1	748.2	733.5	718.7	712.4	706.1	706.1	706.1
7.5°	851.5	838.9	811.5	788.3	767.2	754.6	731.4	708.2	687.1	680.8	676.6
10°	900.0	885.2	855.7	830.4	805.2	758.8	693.4	628.1	581.7	558.5	560.7
12.5°	948.5	931.6	904.2	874.7	815.7	704.0	583.8	476.3	406.8	371.0	360.4
15°	1003.3	984.3	952.7	908.4	777.8	596.5	425.8	282.4	206.6	181.3	172.8
17.5°	1064.4	1037.0	1005.4	916.9	693.4	438.4	236.1	147.5	124.4	118.0	115.9
20°	1119.2	1096.0	1051.8	878.9	571.2	269.8	132.8	109.6	101.2	97.0	97.0
22.5°	1182.4	1148.7	1096.0	813.6	421.5	151.8	103.3	90.6	82.2	80.1	78.0
25°	1247.8	1205.6	1127.6	725.1	267.7	107.5	86.4	75.9	67.4	63.2	65.3
27.5°	1323.7	1258.3	1140.3	609.1	153.9	90.6	71.7	61.1	54.8	52.7	52.7
30°	1382.7	1323.7	1125.5	478.5	105.4	78.0	59.0	48.5	44.3	42.2	42.2
32.5°	1469.1	1389.0	1085.5	314.1	86.4	65.3	48.5	40.0	35.8	35.8	35.8
35°	1587.1	1475.4	1020.1	187.6	73.8	54.8	40.0	33.7	31.6	31.6	31.6
37.5°	1738.9	1608.2	961.1	109.6	61.1	44.3	33.7	29.5	27.4	27.4	27.4
40°	1903.3	1757.8	891.6	78.0	50.6	37.9	29.5	25.3	23.2	23.2	25.3
42.5°	2109.8	1928.6	794.6	67.4	44.3	31.6	25.3	21.1	19.0	21.1	21.1
45°	2299.5	2109.8	680.8	56.9	37.9	27.4	21.1	16.9	16.9	19.0	19.0
47.5°	2535.6	2291.1	535.4	50.6	33.7	23.2	16.9	14.8	14.8	16.9	16.9
50°	2750.6	2474.5	394.1	44.3	29.5	19.0	14.8	12.6	12.6	12.6	14.8
52.5°	2967.7	2657.8	301.4	37.9	25.3	16.9	12.6	10.5	8.4	10.5	10.5
55°	3170.0	2803.3	229.7	33.7	21.1	14.8	10.5	8.4	6.3	8.4	8.4
57.5°	3359.7	2915.0	187.6	29.5	19.0	12.6	8.4	6.3	6.3	6.3	6.3
60°	3503.0	3001.4	143.3	25.3	16.9	10.5	6.3	4.2	4.2	4.2	4.2
62.5°	3629.5	3054.1	113.8	21.1	14.8	8.4	4.2	4.2	2.1	2.1	2.1
65°	3707.5	3062.5	90.6	19.0	12.6	8.4	4.2	2.1	0.0	0.0	0.0
67.5°	3739.1	3028.8	73.8	14.8	10.5	6.3	4.2	2.1	0.0	0.0	0.0
70°	3726.5	2917.1	56.9	12.6	8.4	4.2	4.2	2.1	0.0	0.0	0.0
72.5°	3562.1	2586.2	42.2	10.5	6.3	4.2	2.1	2.1	0.0	0.0	0.0
75°	2786.4	1393.2	29.5	8.4	4.2	4.2	2.1	2.1	0.0	0.0	0.0
77.5°	1475.4	495.3	19.0	6.3	4.2	2.1	2.1	2.1	0.0	0.0	0.0
80°	265.6	103.3	8.4	4.2	2.1	2.1	2.1	2.1	0.0	0.0	0.0
82.5°	42.2	10.5	4.2	4.2	2.1	2.1	2.1	2.1	0.0	0.0	0.0
85°	14.8	6.3	4.2	4.2	2.1	2.1	2.1	2.1	0.0	0.0	0.0
87.5°	4.2	4.2	4.2	4.2	2.1	2.1	2.1	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)