

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: P511236

Luminaire Tested: **PRV-P-PA1C-730-U-T4W-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511236
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-PA1C-730-U-T4W-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 930mA 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: 6369 lumens
Efficiency: N/A
Efficacy: 88.3 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

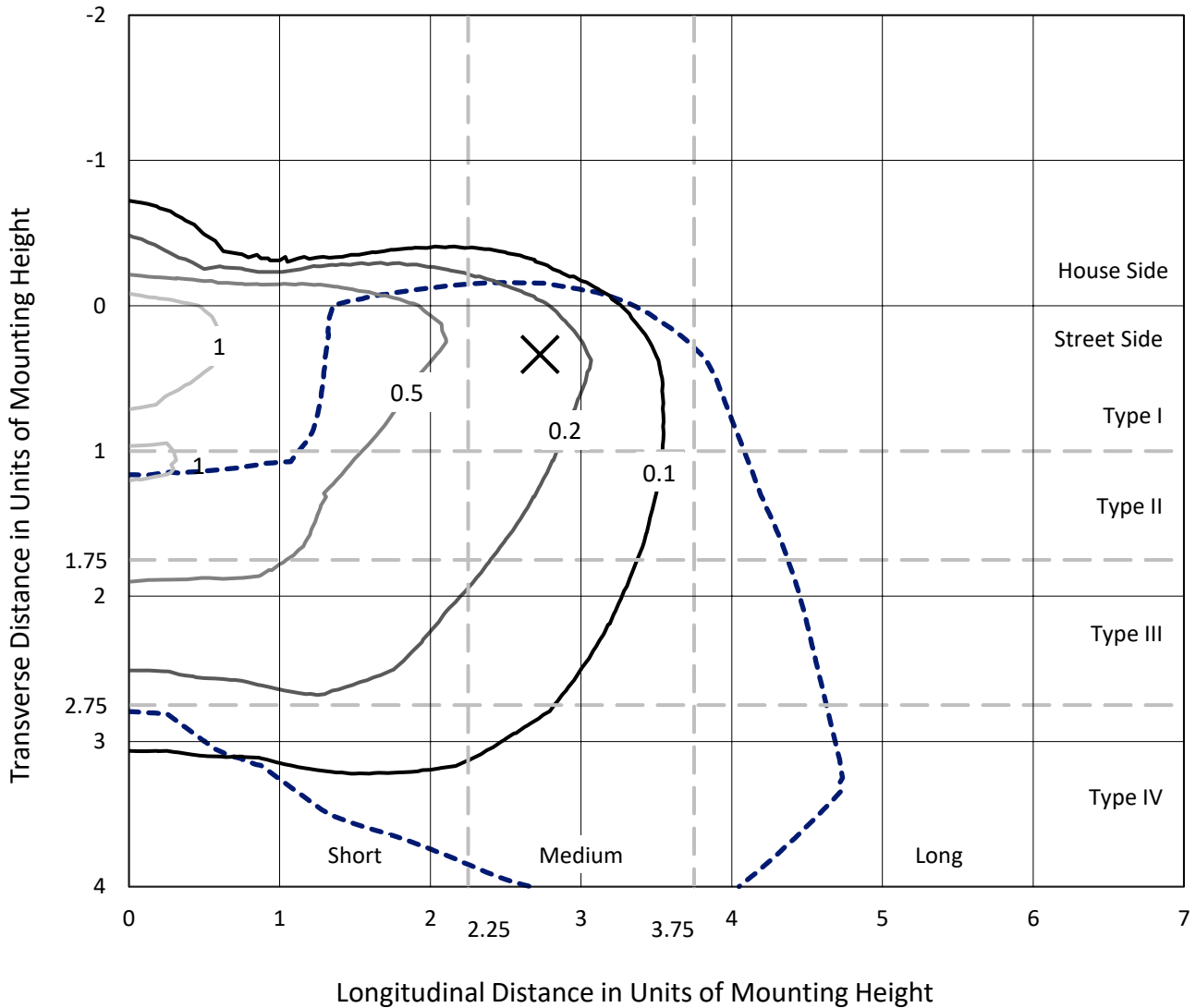
Input Watts (W): 72.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

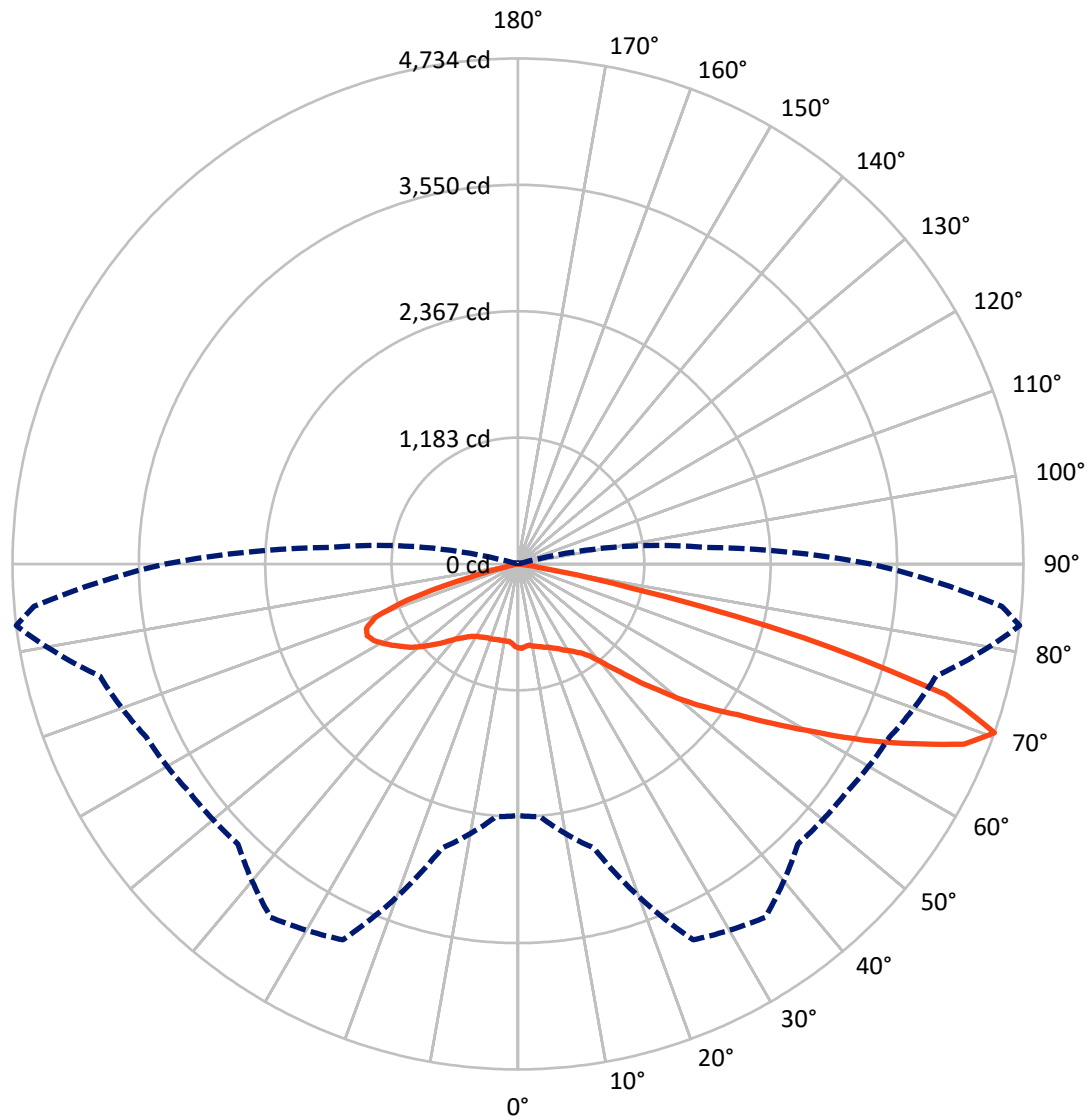
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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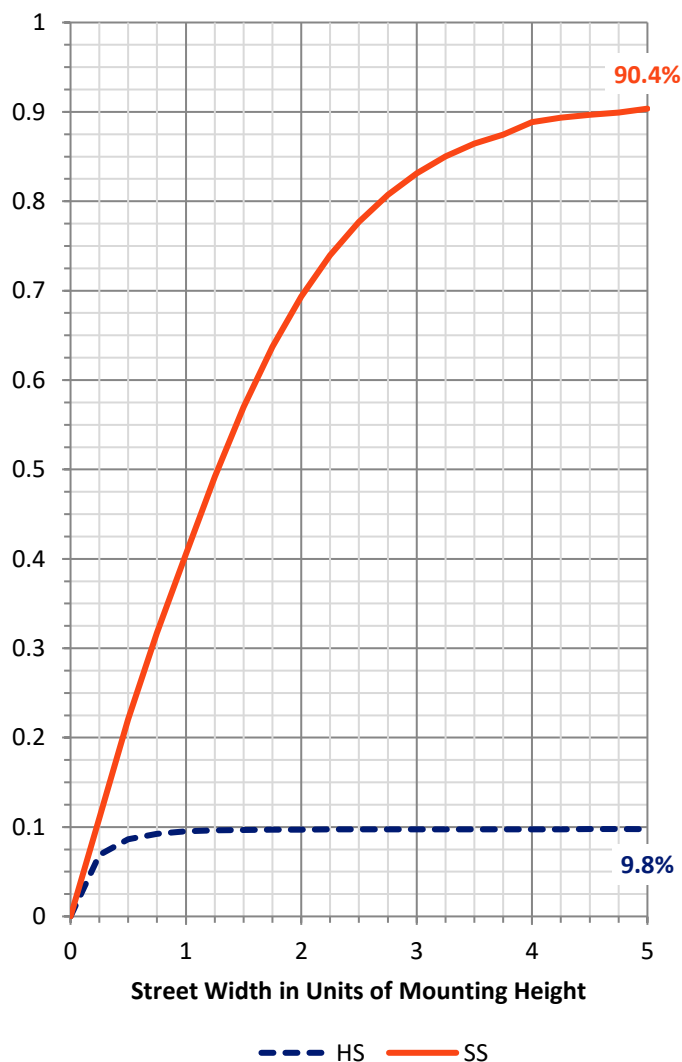
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	627.1	0.0	627.1
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	5741.9	0.0	5741.9
	% Fixture	90.2	0.0	90.2
Total	Lumens	6369.0	0.0	6369.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	1.1
10°-20°	190.4	3.0
20°-30°	301.4	4.7
30°-40°	426.3	6.7
40°-50°	699.0	11.0
50°-60°	1234.2	19.4
60°-70°	1821.8	28.6
70°-80°	1503.5	23.6
80°-90°	121.1	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°	6369.0	100.0
0°-180°	6369.0	100.0

Coefficient of Utilization

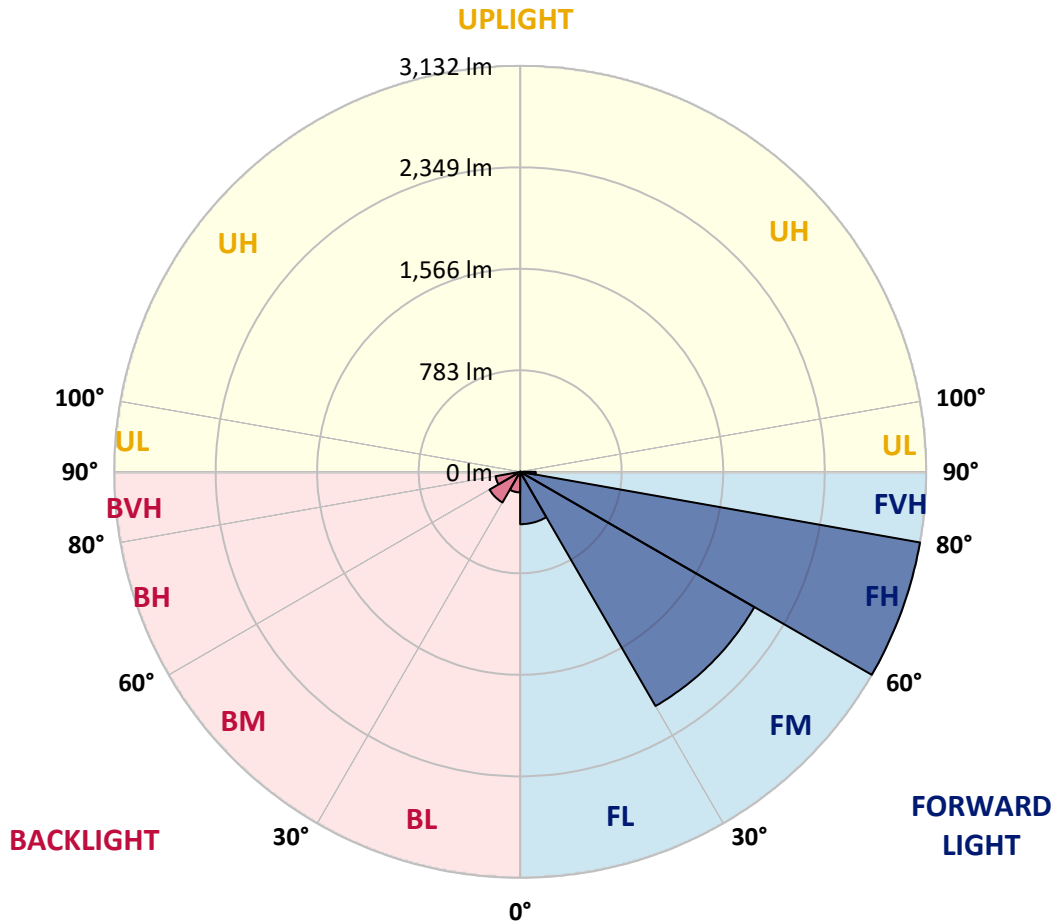


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	404.0	6.3			
FM (30°-60°)	2086.2	32.8			
FH (60°-80°)	3132.3	49.2			G2/5000
FVH (80°-90°)	119.4	1.9			G2/225
BL (0°-30°)	159.1	2.5	B1/500		
BM (30°-60°)	273.3	4.3	B1/1000		
BH (60°-80°)	193.1	3.0	B1/500		G1/500
BVH (80°-90°)	1.7	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0
2.5°	837.0	837.0	833.1	833.1	823.5	819.7	810.1	802.4	792.8	789.0	783.2
5°	883.0	881.1	875.3	869.6	848.5	837.0	821.6	802.4	785.1	773.6	765.9
7.5°	929.1	927.2	921.4	906.1	883.0	861.9	835.0	812.0	785.1	767.8	764.0
10°	979.0	982.8	963.6	942.5	908.0	879.2	854.2	833.1	802.4	781.3	771.7
12.5°	1023.2	1015.5	998.2	971.3	931.0	898.4	879.2	852.3	819.7	792.8	783.2
15°	1051.9	1046.2	1030.8	996.3	948.3	921.4	898.4	869.6	837.0	804.3	794.7
17.5°	1073.1	1073.1	1055.8	1009.7	961.7	944.4	919.5	892.6	852.3	821.6	812.0
20°	1084.6	1090.3	1075.0	1028.9	979.0	963.6	944.4	915.7	873.4	833.1	825.4
22.5°	1090.3	1094.2	1094.2	1036.6	992.4	980.9	965.6	938.7	890.7	856.1	844.6
25°	1090.3	1098.0	1098.0	1038.5	1007.8	996.3	988.6	963.6	923.3	879.2	869.6
27.5°	1098.0	1094.2	1101.9	1046.2	1025.1	1023.2	1019.3	1002.0	956.0	913.7	898.4
30°	1094.2	1092.3	1099.9	1053.9	1046.2	1055.8	1057.7	1040.4	980.9	940.6	932.9
32.5°	1121.1	1113.4	1105.7	1061.5	1069.2	1090.3	1090.3	1073.1	1017.4	979.0	971.3
35°	1174.8	1134.5	1126.8	1086.5	1088.4	1109.5	1123.0	1113.4	1059.6	1025.1	1019.3
37.5°	1178.6	1163.3	1182.5	1123.0	1123.0	1146.0	1172.9	1171.0	1134.5	1092.3	1092.3
40°	1263.1	1251.6	1293.8	1186.3	1174.8	1205.5	1238.2	1259.3	1234.3	1205.5	1201.7
42.5°	1505.0	1491.5	1508.8	1278.5	1249.7	1299.6	1341.8	1382.1	1368.7	1361.0	1357.2
45°	1808.3	1806.4	1817.9	1457.0	1353.3	1412.8	1455.1	1516.5	1528.0	1554.9	1554.9
47.5°	2151.9	2121.2	2103.9	1746.8	1508.8	1520.3	1602.9	1685.4	1744.9	1758.4	1779.5
50°	2388.0	2386.1	2351.5	2119.3	1812.1	1677.7	1775.6	1883.1	1998.3	2002.2	2019.4
52.5°	2583.8	2580.0	2581.9	2501.3	2159.6	1875.5	1971.4	2119.3	2230.6	2242.1	2257.5
55°	2674.0	2685.5	2747.0	2781.5	2545.4	2126.9	2199.9	2345.8	2476.3	2489.7	2524.3
57.5°	2814.2	2808.4	2906.3	3073.3	2946.6	2430.2	2447.5	2597.2	2716.3	2816.1	2839.1
60°	3015.7	2990.8	3088.7	3349.7	3184.6	2693.2	2681.7	2839.1	2986.9	3190.4	3213.4
62.5°	3115.5	3075.2	3240.3	3720.2	3438.0	2942.8	2956.2	3090.6	3271.0	3630.0	3733.6
65°	2946.6	2929.3	3303.7	3716.4	3737.5	3175.0	3234.5	3340.1	3583.9	4056.1	4180.9
67.5°	2512.8	2532.0	3157.8	3833.5	3908.3	3434.2	3493.7	3641.5	3852.7	4503.4	4503.4
70°	2357.3	2374.6	2754.6	3883.4	4038.9	3708.7	3745.2	3839.2	4054.2	4733.8	4549.5
72.5°	2007.9	2038.6	2455.2	3750.9	4207.8	3983.2	3917.9	3985.1	4019.7	4188.6	3841.1
75°	767.8	810.1	1570.2	2904.4	4150.2	4286.5	4058.1	3800.8	3388.1	2770.0	2487.8
77.5°	149.7	153.6	364.7	1382.1	2986.9	4042.7	3741.3	2929.3	1910.0	1082.7	1051.9
80°	59.5	63.3	109.4	408.9	1370.6	2336.2	2445.6	1474.3	608.5	222.7	186.2
82.5°	25.0	25.0	51.8	144.0	479.9	595.1	846.5	470.3	161.2	55.7	48.0
85°	3.8	3.8	17.3	51.8	76.8	44.2	207.3	94.1	78.7	21.1	17.3
87.5°	0.0	0.0	1.9	1.9	3.8	3.8	5.8	7.7	11.5	3.8	3.8
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°	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0
2.5°	781.3	773.6	760.2	750.6	744.8	739.1	737.1	725.6	729.5	727.5	727.5
5°	758.2	746.7	729.5	708.3	696.8	685.3	671.9	660.3	652.7	646.9	658.4
7.5°	748.6	735.2	702.6	675.7	648.8	618.1	591.2	566.3	552.8	543.3	543.3
10°	754.4	739.1	698.7	654.6	598.9	533.7	481.8	435.8	418.5	408.9	393.5
12.5°	762.1	741.0	691.1	622.0	535.6	435.8	359.0	303.3	282.2	270.7	268.7
15°	773.6	744.8	683.4	577.8	451.1	328.3	240.0	207.3	209.2	216.9	218.8
17.5°	785.1	754.4	671.9	527.9	362.8	236.1	192.0	186.2	192.0	203.5	205.4
20°	796.6	767.8	656.5	466.5	274.5	186.2	176.6	176.6	182.4	193.9	195.8
22.5°	813.9	775.5	631.6	391.6	205.4	170.8	168.9	170.8	174.7	184.3	188.1
25°	838.9	792.8	600.8	316.7	170.8	163.2	163.2	161.2	163.2	172.8	176.6
27.5°	861.9	817.8	570.1	240.0	151.6	151.6	153.6	151.6	151.6	159.3	163.2
30°	894.5	842.7	526.0	178.5	140.1	138.2	140.1	140.1	140.1	145.9	149.7
32.5°	936.8	879.2	479.9	144.0	128.6	124.8	124.8	128.6	128.6	132.5	134.4
35°	994.4	927.2	426.2	126.7	119.0	113.3	109.4	113.3	117.1	119.0	120.9
37.5°	1071.1	990.5	368.6	117.1	111.3	103.7	97.9	97.9	99.8	103.7	107.5
40°	1195.9	1063.5	297.5	111.3	105.6	94.1	86.4	84.5	84.5	86.4	88.3
42.5°	1357.2	1155.6	222.7	107.5	101.7	84.5	76.8	71.0	67.2	67.2	69.1
45°	1549.1	1265.0	165.1	101.7	99.8	76.8	67.2	59.5	49.9	48.0	49.9
47.5°	1773.7	1359.1	122.9	94.1	92.1	67.2	57.6	46.1	34.6	34.6	34.6
50°	2004.1	1462.7	99.8	84.5	82.5	61.4	46.1	32.6	25.0	25.0	26.9
52.5°	2236.3	1562.6	90.2	76.8	74.9	55.7	34.6	23.0	19.2	21.1	21.1
55°	2455.2	1641.3	86.4	71.0	67.2	48.0	26.9	17.3	15.4	17.3	17.3
57.5°	2702.8	1725.7	80.6	65.3	55.7	36.5	21.1	15.4	13.4	15.4	15.4
60°	2950.4	1812.1	72.9	59.5	44.2	26.9	17.3	13.4	11.5	13.4	13.4
62.5°	3182.7	1892.7	61.4	49.9	34.6	21.1	15.4	11.5	9.6	11.5	13.4
65°	3365.1	1942.6	44.2	38.4	26.9	19.2	13.4	9.6	7.7	9.6	11.5
67.5°	3445.7	1917.7	32.6	28.8	21.1	15.4	11.5	7.7	5.8	7.7	9.6
70°	3307.5	1773.7	23.0	21.1	15.4	13.4	9.6	5.8	3.8	5.8	7.7
72.5°	2681.7	1343.7	19.2	17.3	11.5	11.5	9.6	5.8	3.8	3.8	3.8
75°	1639.3	585.5	15.4	13.4	7.7	9.6	7.7	3.8	1.9	3.8	3.8
77.5°	600.8	130.5	11.5	7.7	5.8	7.7	5.8	3.8	1.9	1.9	1.9
80°	138.2	30.7	5.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9
82.5°	34.6	5.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	13.4	3.8	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0
87.5°	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9	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)