

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: P511245

Luminaire Tested: **PRV-P-PA1C-740-U-T4W-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511245
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-740-U-T4W-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 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: 6993 lumens
Efficiency: N/A
Efficacy: 97.0 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

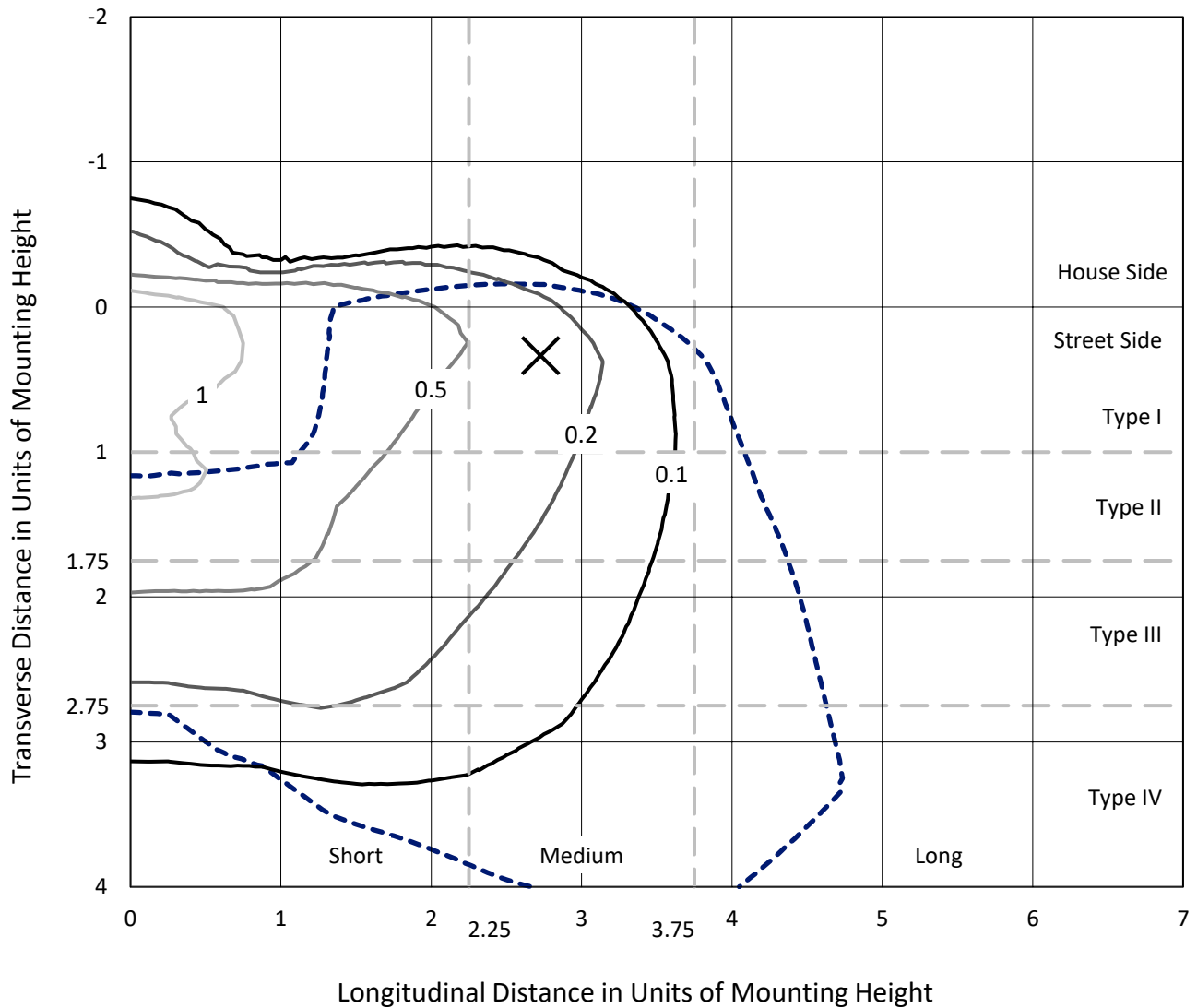
Input Watts (W): 72.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P511245
 CATALOG NUMBER: PRV-P-PA1C-740-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

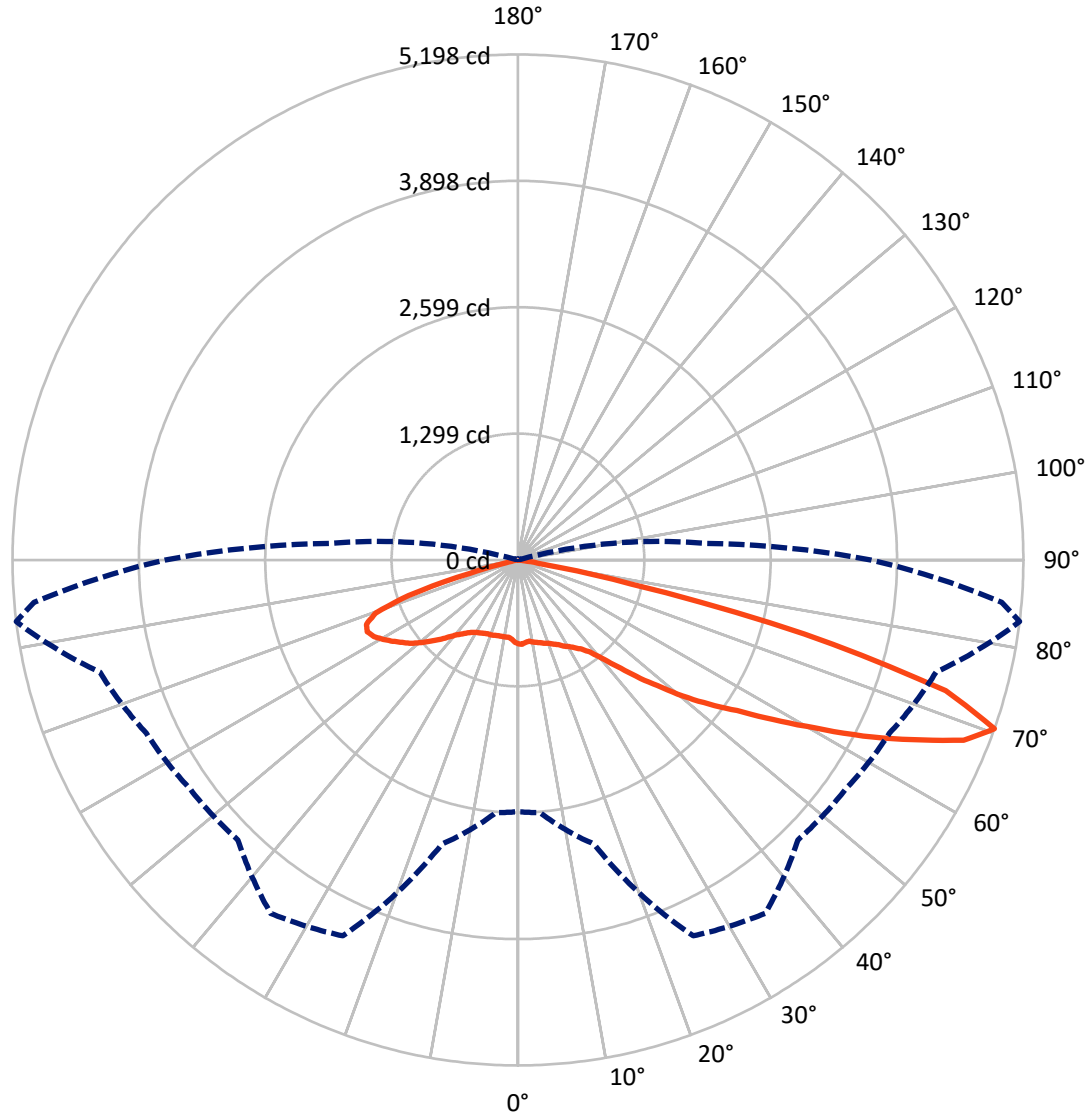
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P511245
CATALOG NUMBER: PRV-P-PA1C-740-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P511245
 CATALOG NUMBER: PRV-P-PA1C-740-U-T4W-HSS

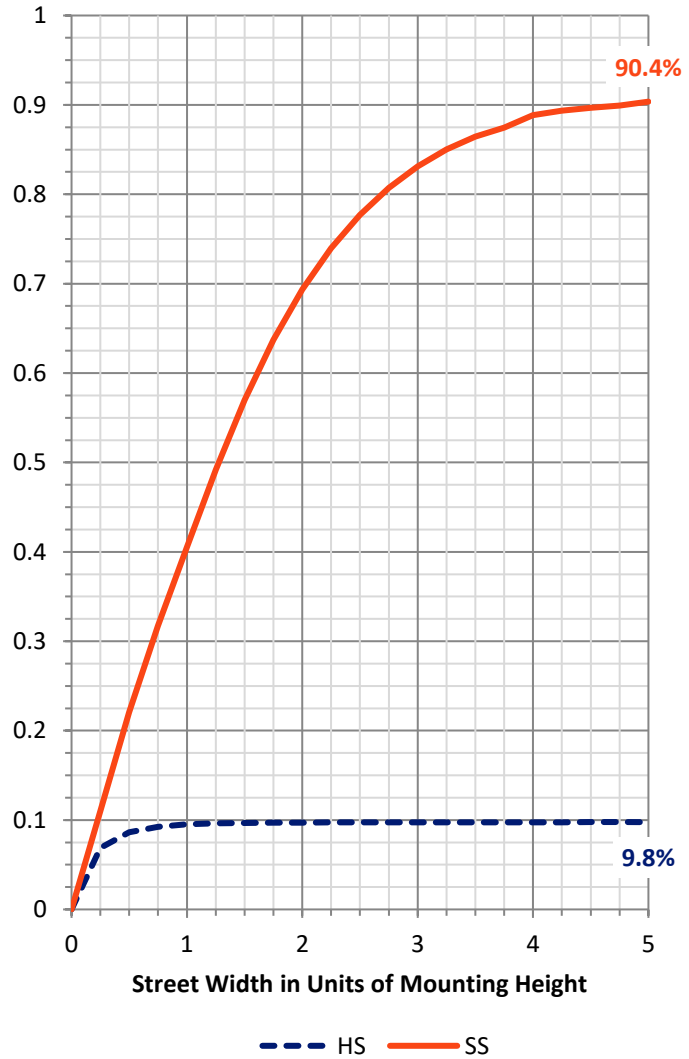
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	688.5	0.0	688.5
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	6304.5	0.0	6304.5
	% Fixture	90.2	0.0	90.2
Total	Lumens	6993.0	0.0	6993.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.3	1.1
10°-20°	209.1	3.0
20°-30°	331.0	4.7
30°-40°	468.0	6.7
40°-50°	767.4	11.0
50°-60°	1355.1	19.4
60°-70°	2000.3	28.6
70°-80°	1650.9	23.6
80°-90°	132.9	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°	6993.0	100.0
0°-180°	6993.0	100.0

Coefficient of Utilization

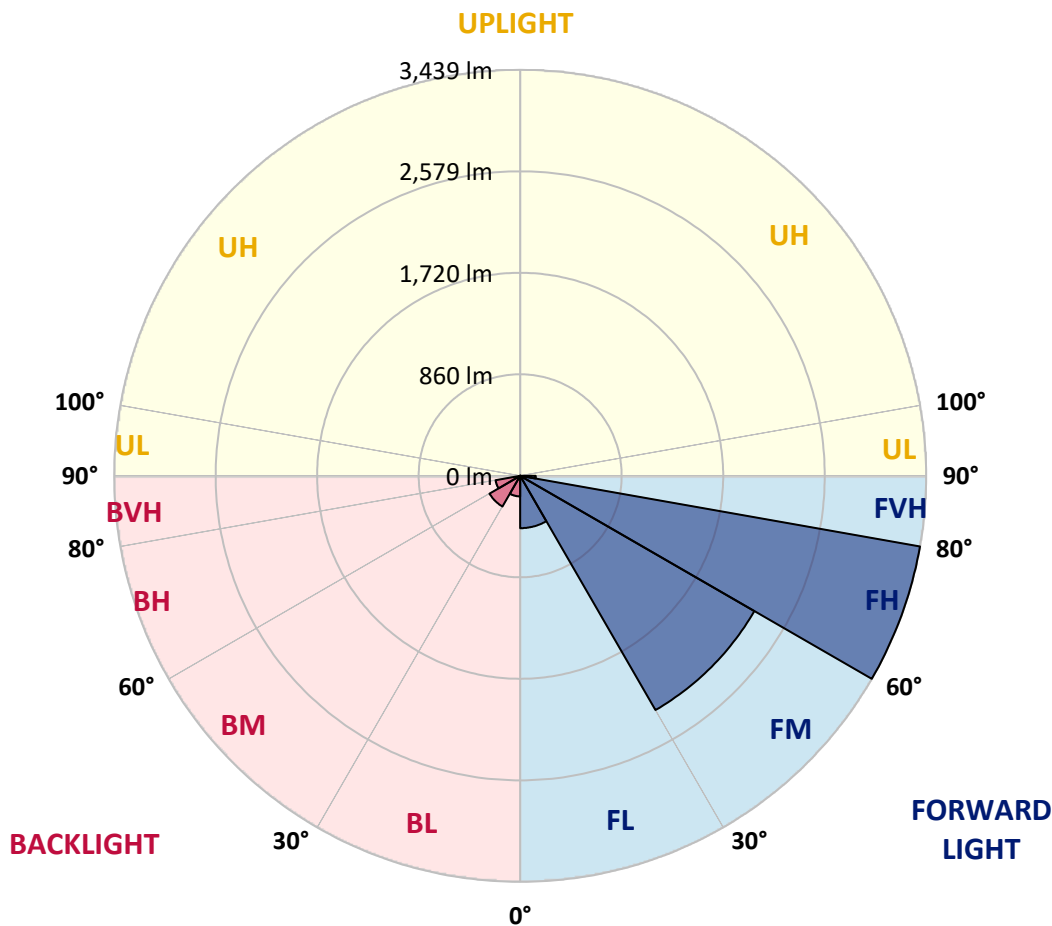


REPORT NUMBER: P511245
 CATALOG NUMBER: PRV-P-PA1C-740-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	443.6	6.3			
FM (30°-60°)	2290.6	32.8			
FH (60°-80°)	3439.2	49.2			G2/5000
FVH (80°-90°)	131.1	1.9			G2/225
BL (0°-30°)	174.7	2.5	B1/500		
BM (30°-60°)	300.0	4.3	B1/1000		
BH (60°-80°)	212.0	3.0	B1/500		G1/500
BVH (80°-90°)	1.8	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





REPORT NUMBER: P511245

CATALOG NUMBER: PRV-P-PA1C-740-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	864.2	864.2	864.2	864.2	864.2	864.2	864.2	864.2	864.2	864.2	864.2
2.5°	919.0	919.0	914.7	914.7	904.2	900.0	889.4	881.0	870.5	866.3	859.9
5°	969.5	967.4	961.1	954.8	931.6	919.0	902.1	881.0	862.0	849.4	841.0
7.5°	1020.1	1018.0	1011.7	994.8	969.5	946.4	916.8	891.6	862.0	843.1	838.9
10°	1074.9	1079.1	1058.1	1034.9	996.9	965.3	937.9	914.7	881.0	857.8	847.3
12.5°	1123.4	1115.0	1096.0	1066.5	1022.2	986.4	965.3	935.8	900.0	870.5	859.9
15°	1155.0	1148.7	1131.8	1093.9	1041.2	1011.7	986.4	954.8	919.0	883.1	872.6
17.5°	1178.2	1178.2	1159.2	1108.6	1056.0	1037.0	1009.6	980.1	935.8	902.1	891.6
20°	1190.8	1197.2	1180.3	1129.7	1074.9	1058.1	1037.0	1005.4	959.0	914.7	906.3
22.5°	1197.2	1201.4	1201.4	1138.2	1089.7	1077.0	1060.2	1030.7	978.0	940.0	927.4
25°	1197.2	1205.6	1205.6	1140.3	1106.5	1093.9	1085.5	1058.1	1013.8	965.3	954.8
27.5°	1205.6	1201.4	1209.8	1148.7	1125.5	1123.4	1119.2	1100.2	1049.6	1003.3	986.4
30°	1201.4	1199.3	1207.7	1157.1	1148.7	1159.2	1161.3	1142.4	1077.0	1032.8	1024.3
32.5°	1230.9	1222.5	1214.0	1165.6	1174.0	1197.2	1197.2	1178.2	1117.1	1074.9	1066.5
35°	1289.9	1245.6	1237.2	1193.0	1195.1	1218.2	1233.0	1222.5	1163.4	1125.5	1119.2
37.5°	1294.1	1277.3	1298.3	1233.0	1233.0	1258.3	1287.8	1285.7	1245.6	1199.3	1199.3
40°	1386.9	1374.2	1420.6	1302.5	1289.9	1323.6	1359.5	1382.6	1355.2	1323.6	1319.4
42.5°	1652.4	1637.7	1656.6	1403.7	1372.1	1426.9	1473.3	1517.5	1502.8	1494.3	1490.1
45°	1985.4	1983.3	1996.0	1599.7	1485.9	1551.3	1597.6	1665.1	1677.7	1707.2	1707.2
47.5°	2362.7	2329.0	2310.0	1918.0	1656.6	1669.3	1759.9	1850.5	1915.9	1930.6	1953.8
50°	2622.0	2619.9	2581.9	2326.9	1989.7	1842.1	1949.6	2067.6	2194.1	2198.3	2217.3
52.5°	2836.9	2832.7	2834.8	2746.3	2371.1	2059.2	2164.6	2326.9	2449.1	2461.8	2478.6
55°	2936.0	2948.7	3016.1	3054.0	2794.8	2335.3	2415.4	2575.6	2718.9	2733.7	2771.6
57.5°	3089.9	3083.5	3191.0	3374.4	3235.3	2668.3	2687.3	2851.7	2982.4	3092.0	3117.3
60°	3311.2	3283.8	3391.3	3677.9	3496.7	2957.1	2944.4	3117.3	3279.6	3503.0	3528.3
62.5°	3420.8	3376.5	3557.8	4084.7	3774.9	3231.1	3245.8	3393.4	3591.5	3985.6	4099.4
65°	3235.3	3216.3	3627.3	4080.5	4103.7	3486.1	3551.5	3667.4	3935.0	4453.5	4590.5
67.5°	2759.0	2780.0	3467.1	4209.0	4291.2	3770.7	3836.0	3998.3	4230.1	4944.6	4944.6
70°	2588.2	2607.2	3024.5	4263.8	4434.6	4072.0	4112.1	4215.4	4451.4	5197.6	4995.2
72.5°	2204.6	2238.4	2695.7	4118.4	4620.0	4373.4	4301.8	4375.6	4413.5	4599.0	4217.5
75°	843.1	889.4	1724.1	3188.9	4556.8	4706.5	4455.6	4173.2	3720.1	3041.4	2731.6
77.5°	164.4	168.6	400.5	1517.5	3279.6	4438.8	4107.9	3216.3	2097.1	1188.7	1155.0
80°	65.3	69.6	120.1	448.9	1504.9	2565.1	2685.2	1618.7	668.1	244.5	204.4
82.5°	27.4	27.4	56.9	158.1	526.9	653.4	929.5	516.4	177.0	61.1	52.7
85°	4.2	4.2	19.0	56.9	84.3	48.5	227.6	103.3	86.4	23.2	19.0
87.5°	0.0	0.0	2.1	2.1	4.2	4.2	6.3	8.4	12.6	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P511245

CATALOG NUMBER: PRV-P-PA1C-740-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	864.2	864.2	864.2	864.2	864.2	864.2	864.2	864.2	864.2	864.2	864.2
2.5°	857.8	849.4	834.6	824.1	817.8	811.5	809.4	796.7	800.9	798.8	798.8
5°	832.5	819.9	800.9	777.7	765.1	752.4	737.7	725.0	716.6	710.3	722.9
7.5°	822.0	807.2	771.4	741.9	712.4	678.7	649.2	621.8	607.0	596.5	596.5
10°	828.3	811.5	767.2	718.7	657.6	585.9	529.0	478.4	459.5	448.9	432.1
12.5°	836.8	813.6	758.8	682.9	588.0	478.4	394.1	333.0	309.8	297.2	295.1
15°	849.4	817.8	750.3	634.4	495.3	360.4	263.5	227.6	229.7	238.2	240.3
17.5°	862.0	828.3	737.7	579.6	398.4	259.2	210.8	204.4	210.8	223.4	225.5
20°	874.7	843.1	720.8	512.2	301.4	204.4	193.9	193.9	200.2	212.9	215.0
22.5°	893.7	851.5	693.4	430.0	225.5	187.6	185.5	187.6	191.8	202.3	206.6
25°	921.1	870.5	659.7	347.8	187.6	179.2	179.2	177.0	179.2	189.7	193.9
27.5°	946.4	897.9	626.0	263.5	166.5	166.5	168.6	166.5	166.5	174.9	179.2
30°	982.2	925.3	577.5	196.0	153.9	151.8	153.9	153.9	153.9	160.2	164.4
32.5°	1028.6	965.3	526.9	158.1	141.2	137.0	137.0	141.2	141.2	145.4	147.5
35°	1091.8	1018.0	467.9	139.1	130.7	124.4	120.1	124.4	128.6	130.7	132.8
37.5°	1176.1	1087.6	404.7	128.6	122.2	113.8	107.5	107.5	109.6	113.8	118.0
40°	1313.1	1167.7	326.7	122.2	115.9	103.3	94.8	92.7	92.7	94.8	97.0
42.5°	1490.1	1268.8	244.5	118.0	111.7	92.7	84.3	78.0	73.8	73.8	75.9
45°	1700.9	1389.0	181.3	111.7	109.6	84.3	73.8	65.3	54.8	52.7	54.8
47.5°	1947.5	1492.2	134.9	103.3	101.2	73.8	63.2	50.6	37.9	37.9	37.9
50°	2200.4	1606.1	109.6	92.7	90.6	67.4	50.6	35.8	27.4	27.4	29.5
52.5°	2455.5	1715.7	99.1	84.3	82.2	61.1	37.9	25.3	21.1	23.2	23.2
55°	2695.7	1802.1	94.8	78.0	73.8	52.7	29.5	19.0	16.9	19.0	19.0
57.5°	2967.6	1894.8	88.5	71.7	61.1	40.0	23.2	16.9	14.8	16.9	16.9
60°	3239.5	1989.7	80.1	65.3	48.5	29.5	19.0	14.8	12.6	14.8	14.8
62.5°	3494.5	2078.2	67.4	54.8	37.9	23.2	16.9	12.6	10.5	12.6	14.8
65°	3694.8	2133.0	48.5	42.2	29.5	21.1	14.8	10.5	8.4	10.5	12.6
67.5°	3783.3	2105.6	35.8	31.6	23.2	16.9	12.6	8.4	6.3	8.4	10.5
70°	3631.5	1947.5	25.3	23.2	16.9	14.8	10.5	6.3	4.2	6.3	8.4
72.5°	2944.4	1475.4	21.1	19.0	12.6	12.6	10.5	6.3	4.2	4.2	4.2
75°	1800.0	642.8	16.9	14.8	8.4	10.5	8.4	4.2	2.1	4.2	4.2
77.5°	659.7	143.3	12.6	8.4	6.3	8.4	6.3	4.2	2.1	2.1	2.1
80°	151.8	33.7	6.3	4.2	4.2	4.2	4.2	2.1	2.1	2.1	2.1
82.5°	37.9	6.3	4.2	4.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	14.8	4.2	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0
87.5°	4.2	4.2	4.2	2.1	2.1	2.1	2.1	2.1	2.1	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)