

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: P511174

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

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511174  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-7)  
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  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

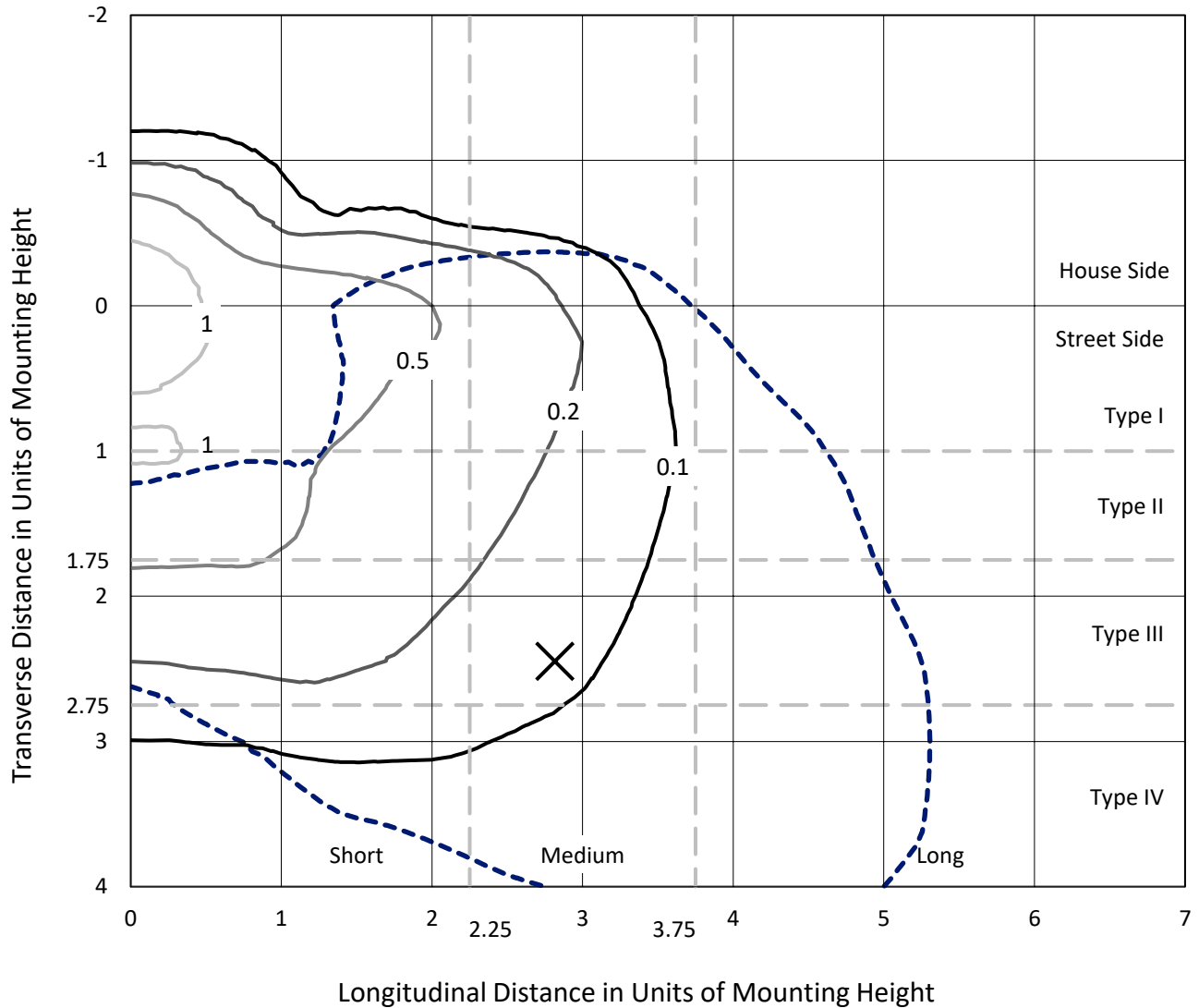
Lumens per Lamp: N/A  
Luminaire Lumens: 7106 lumens  
Efficiency: N/A  
Efficacy: 134.6 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 52.8  
Input Voltage (V): NR  
Input Current (Ain): 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

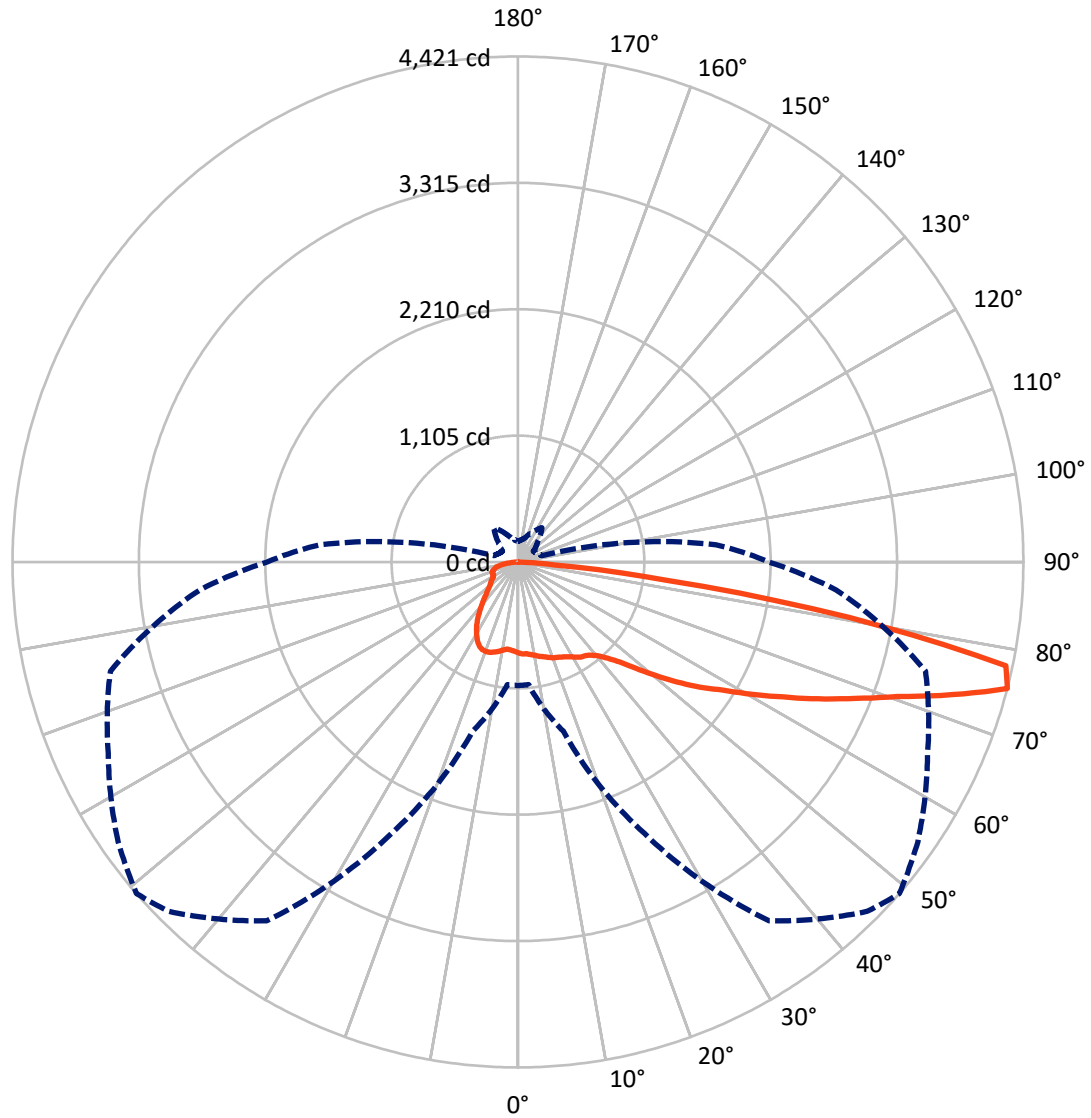
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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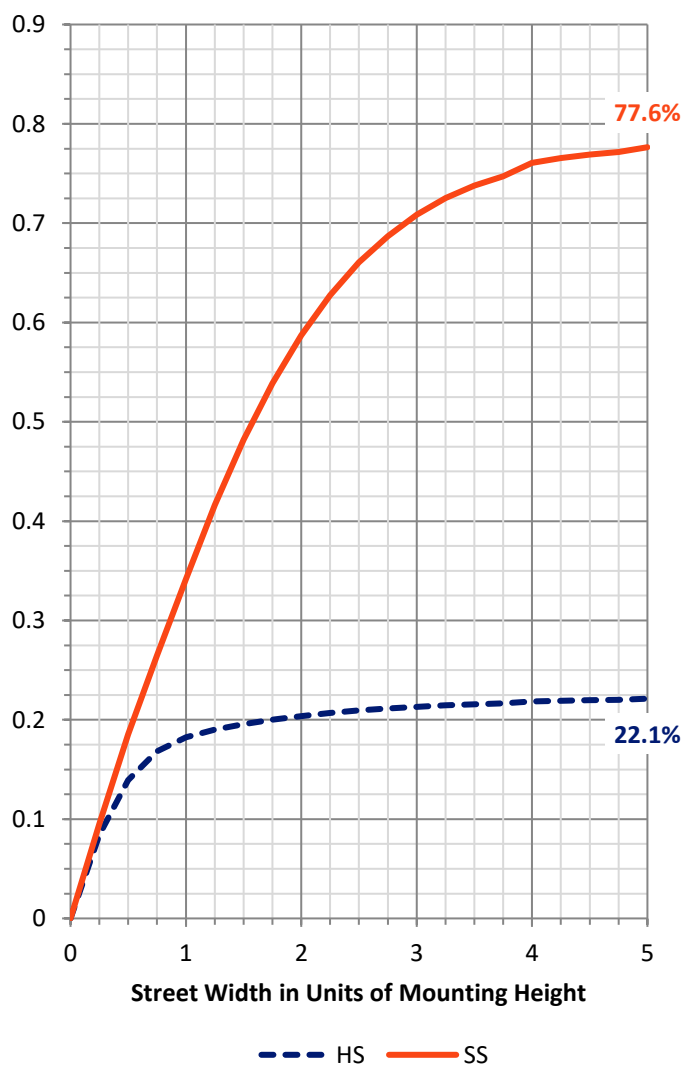
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1591.5	0.0	1591.5
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	5514.5	0.0	5514.5
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	7106.0	0.0	7106.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.5	1.1
10°-20°	239.8	3.4
20°-30°	403.6	5.7
30°-40°	547.0	7.7
40°-50°	802.7	11.3
50°-60°	1279.1	18.0
60°-70°	1862.9	26.2
70°-80°	1685.6	23.7
80°-90°	208.8	2.9
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°	7106.0	100.0
0°-180°	7106.0	100.0

**Coefficient of Utilization**

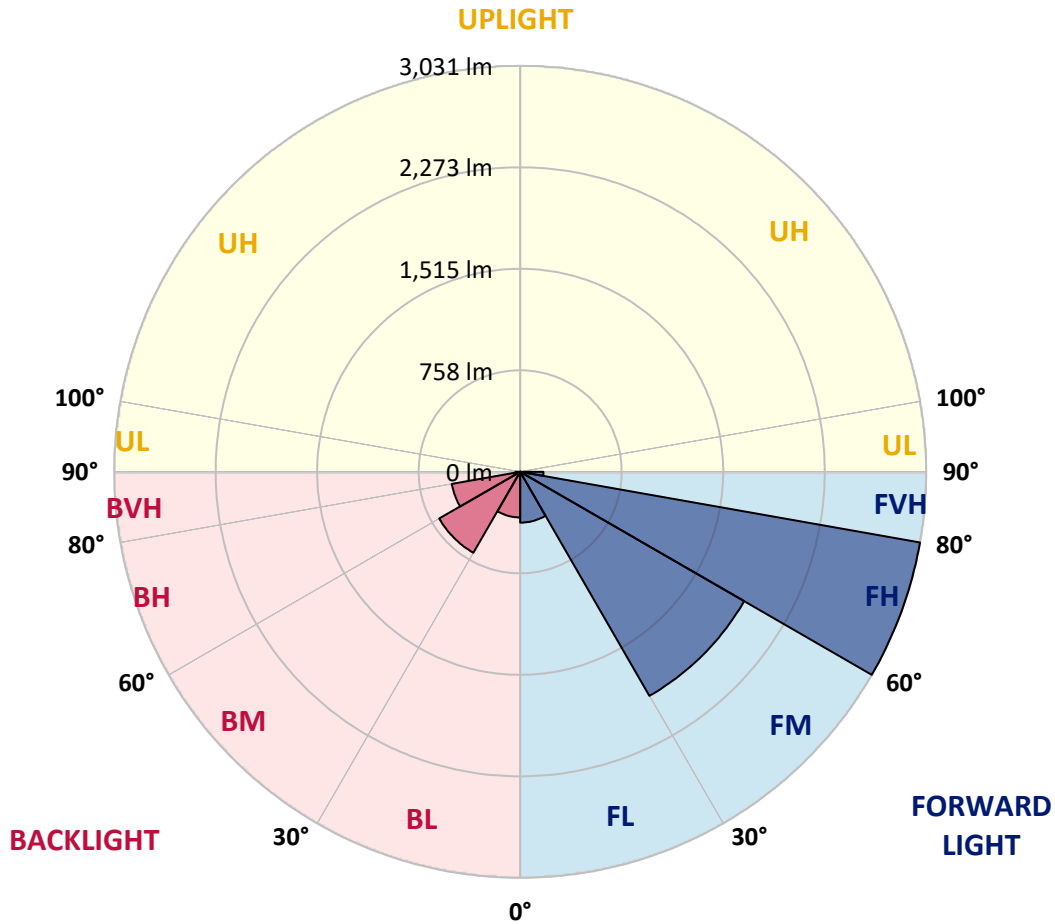


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	379.3	5.3			
FM (30°-60°)	1930.9	27.2			
FH (60°-80°)	3030.6	42.6			G2/5000
FVH (80°-90°)	173.7	2.4			G2/225
BL (0°-30°)	340.6	4.8	B1/500		
BM (30°-60°)	697.9	9.8	B1/1000		
BH (60°-80°)	517.9	7.3	B2/1000		G2/1000
BVH (80°-90°)	35.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	795.8	795.8	795.8	795.8	795.8	795.8	795.8	795.8	795.8	795.8	795.8
2.5°	820.4	817.1	813.8	813.8	808.9	807.3	805.7	804.0	794.2	795.8	789.3
5°	846.5	841.6	838.3	835.1	825.3	810.6	805.7	804.0	787.7	777.9	773.0
7.5°	884.1	885.7	867.8	857.9	848.1	823.6	818.7	805.7	787.7	774.6	766.4
10°	923.3	918.4	903.7	885.7	866.1	838.3	830.2	818.7	804.0	786.0	776.2
12.5°	951.1	946.2	928.2	905.3	877.6	853.0	848.1	840.0	817.1	797.5	787.7
15°	967.4	972.3	951.1	918.4	887.4	869.4	859.6	854.7	835.1	813.8	795.8
17.5°	985.4	983.8	970.7	931.5	903.7	882.5	877.6	869.4	844.9	825.3	807.3
20°	993.6	1000.1	988.7	944.6	911.9	892.3	893.9	887.4	864.5	840.0	820.4
22.5°	998.5	1001.8	996.9	952.7	921.7	907.0	905.3	900.4	877.6	856.3	833.4
25°	996.9	998.5	1006.7	954.4	931.5	920.0	920.0	913.5	895.5	875.9	853.0
27.5°	998.5	995.2	1006.7	959.3	944.6	939.7	938.0	936.4	926.6	898.8	874.3
30°	991.9	1001.8	1005.0	965.8	964.2	962.5	964.2	965.8	954.4	924.9	898.8
32.5°	993.6	990.3	1006.7	974.0	975.6	988.7	993.6	990.3	972.3	947.8	923.3
35°	1021.4	1029.5	1032.8	988.7	987.0	995.2	1006.7	1003.4	998.5	980.5	965.8
37.5°	1166.8	1173.3	1155.4	1049.1	1019.7	1018.1	1032.8	1036.1	1039.3	1031.2	1027.9
40°	1394.0	1385.8	1382.5	1179.9	1076.9	1065.5	1078.6	1094.9	1099.8	1104.7	1112.9
42.5°	1640.7	1650.5	1652.2	1364.5	1210.9	1142.3	1148.8	1170.1	1197.9	1204.4	1240.3
45°	1863.0	1880.9	1916.9	1609.7	1394.0	1269.8	1246.9	1264.9	1312.2	1353.1	1411.9
47.5°	2019.9	2031.3	2088.5	1866.2	1624.4	1405.4	1389.1	1389.1	1456.1	1511.6	1611.3
50°	2176.7	2170.2	2193.1	2129.3	1943.0	1608.0	1560.6	1547.6	1635.8	1714.3	1827.0
52.5°	2296.0	2307.5	2343.4	2369.6	2216.0	1828.7	1743.7	1709.4	1822.1	1916.9	2073.8
55°	2381.0	2385.9	2467.6	2570.6	2477.4	2024.8	1931.6	1907.1	2041.1	2149.0	2356.5
57.5°	2495.4	2531.4	2624.5	2812.4	2796.1	2209.4	2113.0	2132.6	2266.6	2384.3	2675.2
60°	2706.2	2694.8	2802.6	3055.9	2966.0	2408.8	2346.7	2358.1	2493.8	2657.2	3067.4
62.5°	2797.7	2802.6	2953.0	3364.8	3201.4	2622.9	2600.0	2626.1	2755.2	2917.0	3562.5
65°	2668.6	2704.6	3039.6	3407.3	3435.1	2900.7	2884.3	2925.2	3016.7	3229.1	3972.7
67.5°	2322.2	2364.7	2908.8	3513.5	3629.5	3188.3	3181.8	3207.9	3266.7	3479.2	4248.9
70°	2144.0	2186.5	2549.3	3559.3	3786.4	3529.8	3521.7	3510.2	3549.4	3721.0	4284.8
72.5°	1835.2	1854.8	2183.3	3369.7	3928.6	3940.0	3969.4	3881.2	3815.8	3868.1	3859.9
75°	1080.2	1076.9	1531.2	2619.6	3830.5	4320.8	4420.5	4268.5	3953.1	3690.0	2791.2
77.5°	372.6	357.9	521.3	1194.6	2781.4	4180.2	4363.3	4139.4	3593.6	2918.7	1554.1
80°	104.6	112.8	168.3	398.7	1295.9	2578.7	2938.3	3101.7	2343.4	1227.3	464.1
82.5°	47.4	49.0	88.2	163.4	478.8	1264.9	1310.6	1111.2	792.6	310.5	114.4
85°	13.1	13.1	27.8	58.8	163.4	292.5	320.3	281.1	163.4	104.6	39.2
87.5°	1.6	1.6	1.6	3.3	4.9	8.2	6.5	18.0	14.7	13.1	6.5
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°	795.8	795.8	795.8	795.8	795.8	795.8	795.8	795.8	795.8	795.8	795.8
2.5°	790.9	789.3	786.0	784.4	782.8	782.8	782.8	784.4	781.1	787.7	787.7
5°	771.3	769.7	764.8	768.1	768.1	774.6	777.9	781.1	786.0	789.3	790.9
7.5°	763.2	764.8	763.2	759.9	763.2	769.7	782.8	794.2	799.1	804.0	805.7
10°	773.0	773.0	768.1	774.6	776.2	782.8	792.6	805.7	820.4	825.3	825.3
12.5°	779.5	781.1	777.9	790.9	794.2	802.4	808.9	815.5	828.5	836.7	838.3
15°	787.7	786.0	790.9	802.4	808.9	815.5	820.4	817.1	830.2	836.7	836.7
17.5°	799.1	800.8	807.3	822.0	825.3	826.9	825.3	817.1	826.9	833.4	836.7
20°	810.6	813.8	823.6	835.1	835.1	828.5	822.0	813.8	818.7	826.9	833.4
22.5°	825.3	830.2	836.7	844.9	836.7	822.0	813.8	805.7	810.6	823.6	828.5
25°	838.3	843.2	843.2	840.0	818.7	805.7	802.4	802.4	804.0	818.7	820.4
27.5°	861.2	861.2	849.8	826.9	789.3	768.1	776.2	782.8	797.5	808.9	812.2
30°	885.7	879.2	856.3	805.7	746.8	725.6	735.4	753.4	773.0	789.3	799.1
32.5°	916.8	911.9	866.1	781.1	701.1	673.3	683.1	709.2	737.0	756.6	759.9
35°	962.5	951.1	875.9	748.5	642.2	616.1	621.0	650.4	679.8	701.1	712.5
37.5°	1021.4	1009.9	884.1	706.0	581.8	554.0	552.4	580.1	603.0	622.6	630.8
40°	1122.7	1094.9	892.3	652.0	522.9	490.3	490.3	500.1	508.2	521.3	527.8
42.5°	1251.8	1202.8	905.3	589.9	465.7	436.3	424.9	429.8	420.0	408.5	410.2
45°	1426.6	1341.7	931.5	526.2	413.4	387.3	377.5	364.4	344.8	323.6	325.2
47.5°	1630.9	1492.0	949.5	469.0	367.7	348.1	338.3	321.9	294.2	271.3	269.6
50°	1866.2	1657.1	972.3	418.4	326.8	321.9	315.4	290.9	259.8	238.6	235.3
52.5°	2113.0	1817.2	995.2	380.8	299.1	307.2	295.8	269.6	235.3	214.1	212.4
55°	2392.4	2021.5	1041.0	341.5	277.8	290.9	282.7	253.3	219.0	204.3	202.6
57.5°	2720.9	2237.2	1111.2	310.5	259.8	269.6	268.0	241.9	219.0	209.2	209.2
60°	3065.7	2515.0	1145.6	287.6	241.9	253.3	266.4	246.8	230.4	222.2	220.6
62.5°	3404.0	2778.1	1042.6	268.0	228.8	248.4	274.5	268.0	243.5	241.9	240.2
65°	3657.3	2974.2	789.3	248.4	219.0	258.2	310.5	289.3	253.3	250.0	248.4
67.5°	3781.5	3073.9	527.8	233.7	210.8	269.6	343.2	299.1	248.4	240.2	232.1
70°	3627.9	2918.7	351.3	215.7	197.7	264.7	364.4	300.7	238.6	227.2	215.7
72.5°	3098.4	2518.3	268.0	199.4	184.7	254.9	369.3	292.5	228.8	205.9	197.7
75°	2194.7	1737.1	215.7	179.8	163.4	241.9	366.1	279.4	212.4	187.9	181.4
77.5°	1117.8	779.5	168.3	155.2	138.9	227.2	351.3	228.8	160.2	138.9	135.6
80°	310.5	232.1	130.7	122.6	107.9	187.9	269.6	183.0	129.1	114.4	107.9
82.5°	107.9	98.1	89.9	78.4	76.8	152.0	232.1	148.7	94.8	70.3	68.6
85°	39.2	37.6	42.5	42.5	44.1	78.4	120.9	67.0	40.9	29.4	27.8
87.5°	4.9	4.9	6.5	4.9	6.5	1.6	1.6	1.6	1.6	1.6	1.6
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)