

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: P511240

Luminaire Tested: **PRV-P-PA1C-740-U-T2R**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-1)
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-T2R
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9495 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

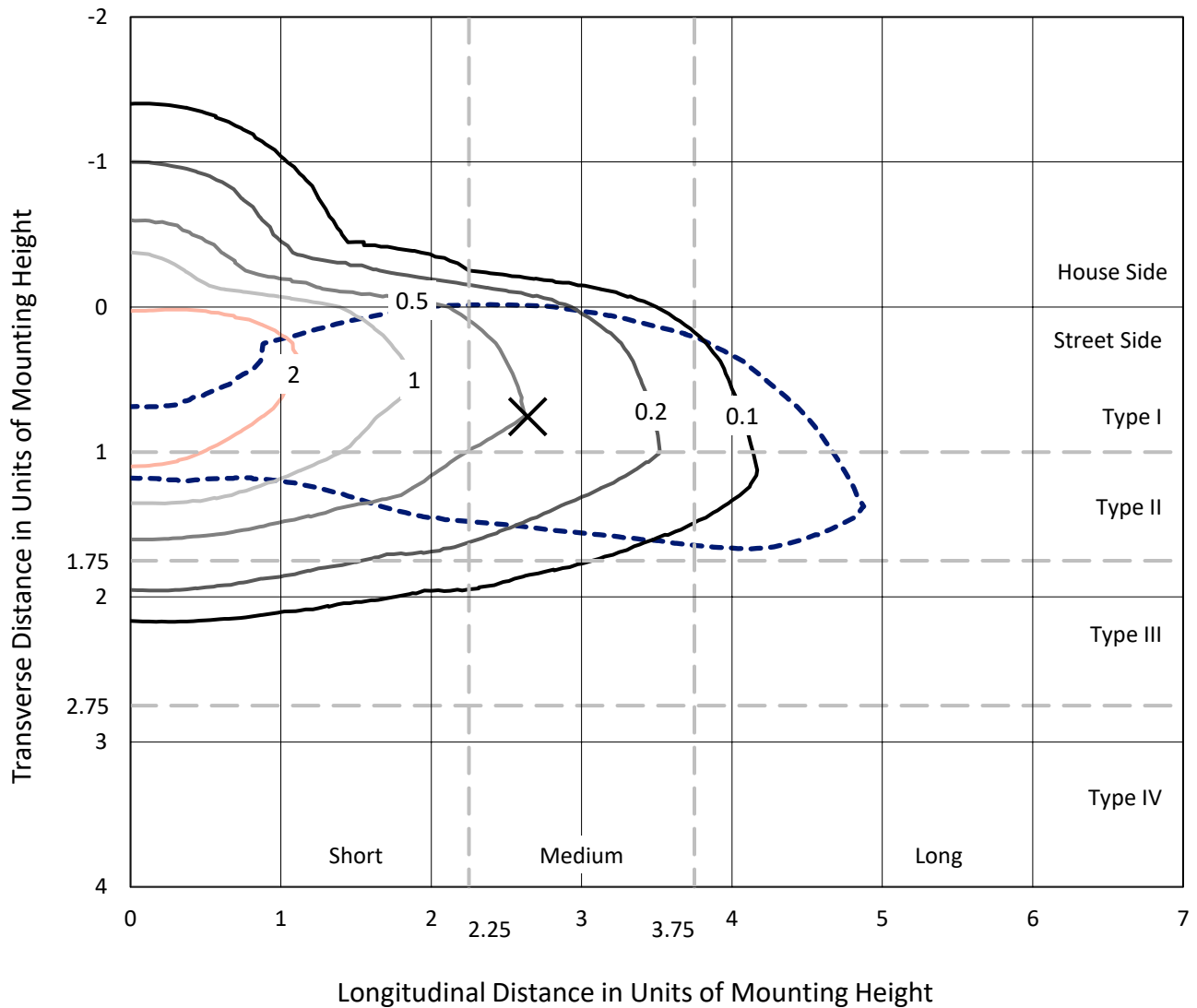
Input Watts (W): 72.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

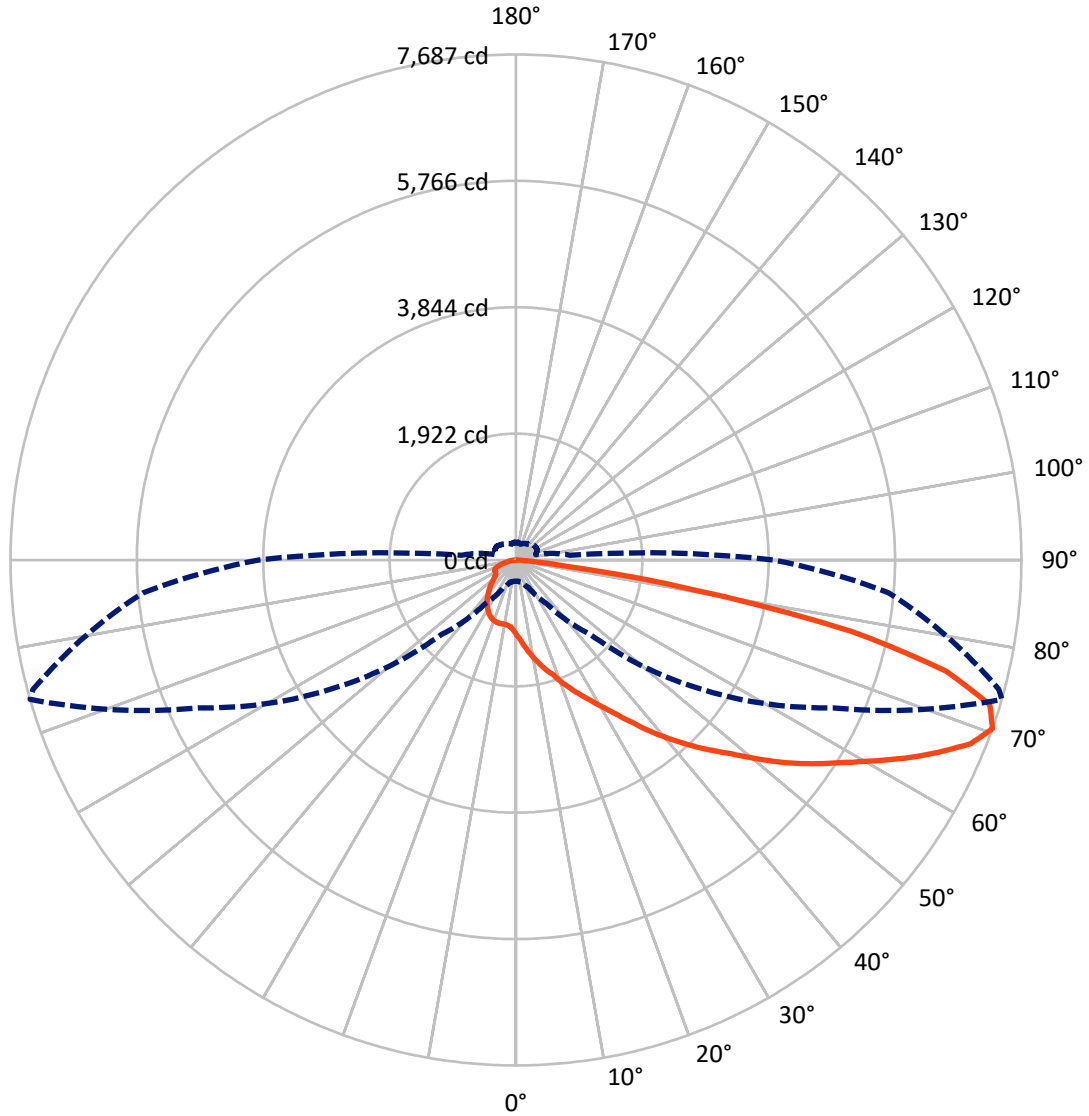
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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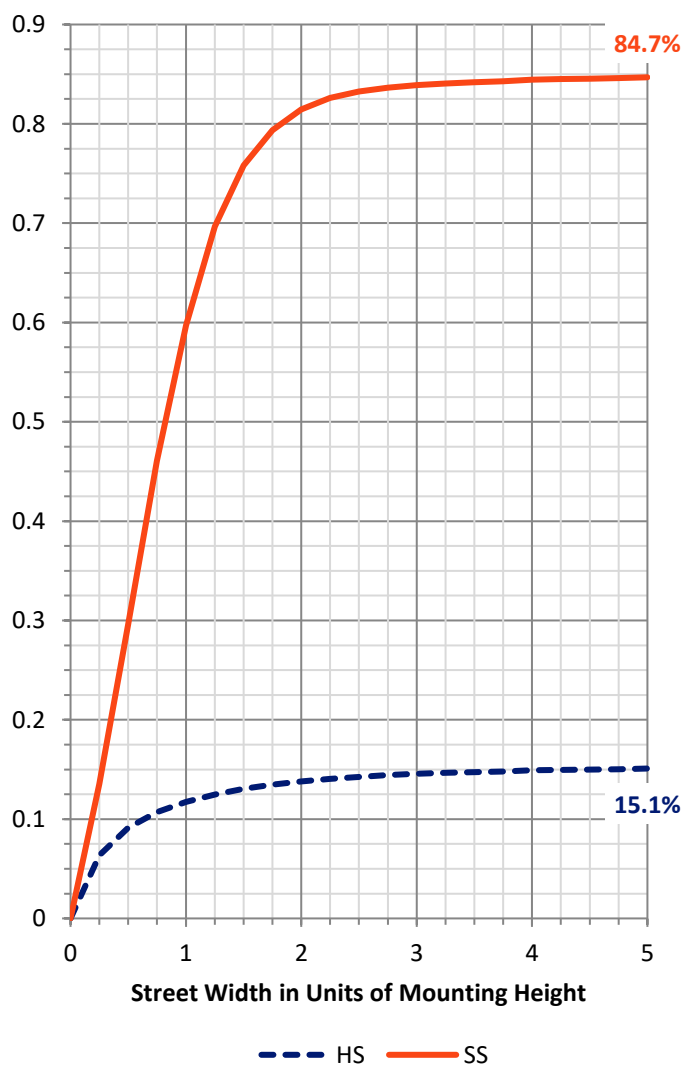
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1444.4	0.0	1444.4
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	8050.6	0.0	8050.6
	% Fixture	84.8	0.0	84.8
Total	Lumens	9495.0	0.0	9495.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.0	1.3
10°-20°	397.5	4.2
20°-30°	739.3	7.8
30°-40°	1246.7	13.1
40°-50°	1767.4	18.6
50°-60°	2031.4	21.4
60°-70°	1895.5	20.0
70°-80°	1175.4	12.4
80°-90°	122.9	1.3
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°	9495.0	100.0
0°-180°	9495.0	100.0

Coefficient of Utilization



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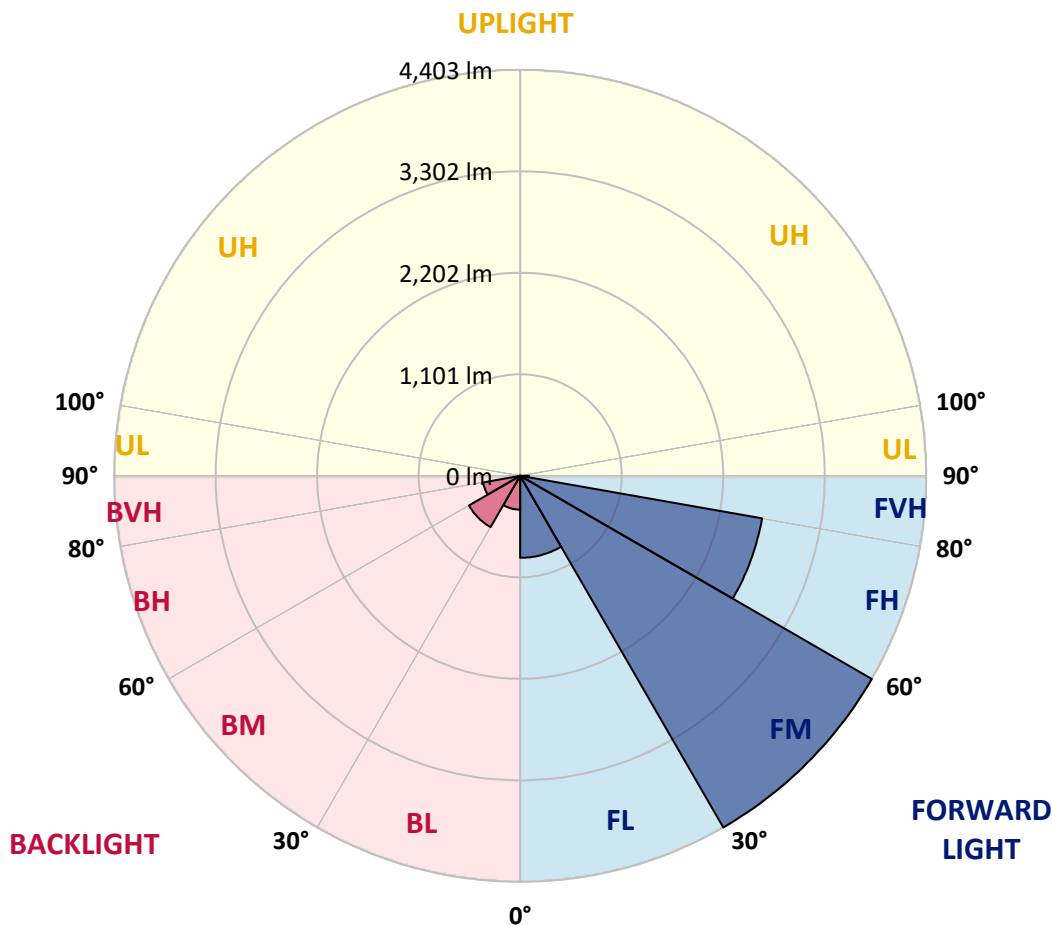
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	889.2	9.4			
FM (30°-60°)	4403.2	46.4			
FH (60°-80°)	2663.1	28.0			G2/5000
FVH (80°-90°)	95.2	1.0			G1/100
BL (0°-30°)	366.6	3.9	B1/500		
BM (30°-60°)	642.4	6.8	B1/1000		
BH (60°-80°)	407.8	4.3	B1/500		G1/500
BVH (80°-90°)	27.7	0.3			G1/100
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1134.0	1134.0	1134.0	1134.0	1134.0	1134.0	1134.0	1134.0	1134.0	1134.0	1134.0
2.5°	1420.7	1429.1	1422.8	1410.2	1387.0	1338.5	1306.9	1271.1	1212.0	1212.0	1167.8
5°	1616.7	1616.7	1606.2	1593.6	1572.5	1521.9	1473.4	1399.6	1313.2	1304.8	1207.8
7.5°	1707.4	1707.4	1707.4	1705.3	1696.8	1656.8	1602.0	1511.4	1410.2	1401.7	1247.9
10°	1785.4	1779.1	1781.2	1785.4	1776.9	1772.7	1726.4	1639.9	1521.9	1509.2	1323.8
12.5°	1865.5	1852.8	1857.0	1865.5	1871.8	1857.0	1823.3	1753.8	1623.1	1614.6	1389.1
15°	1920.3	1920.3	1926.6	1943.5	1951.9	1954.0	1928.7	1876.0	1739.0	1717.9	1469.2
17.5°	1960.3	1958.2	1970.9	2000.4	2032.0	2044.6	2053.1	1994.1	1833.9	1825.4	1545.1
20°	2008.8	2008.8	2025.7	2067.8	2107.9	2143.7	2166.9	2141.6	1985.6	1956.1	1644.1
22.5°	2147.9	2147.9	2145.8	2169.0	2209.1	2236.5	2274.4	2272.3	2118.4	2082.6	1736.9
25°	2483.1	2497.8	2432.5	2356.6	2354.5	2365.0	2373.5	2438.8	2268.1	2240.7	1836.0
27.5°	2965.8	2980.5	2881.5	2761.3	2594.8	2516.8	2483.1	2594.8	2417.7	2392.4	1928.7
30°	3419.0	3391.6	3338.9	3208.2	2974.2	2757.1	2626.4	2748.7	2592.7	2540.0	2004.6
32.5°	3726.7	3707.8	3661.4	3539.1	3347.3	3085.9	2807.7	2894.1	2792.9	2744.5	2124.7
35°	3897.5	3891.2	3842.7	3783.6	3678.3	3465.4	3062.8	3071.2	3029.0	2986.9	2261.8
37.5°	4040.8	4026.1	3975.5	3918.6	3878.5	3768.9	3400.0	3237.7	3300.9	3220.8	2407.2
40°	4137.8	4125.1	4087.2	4028.2	4021.8	4009.2	3749.9	3456.9	3564.4	3486.4	2575.8
42.5°	4184.1	4171.5	4163.1	4108.3	4120.9	4177.8	4083.0	3716.2	3840.6	3749.9	2765.5
45°	4209.4	4198.9	4192.6	4150.4	4163.1	4281.1	4350.7	4013.4	4116.7	4034.5	2961.6
47.5°	4156.7	4146.2	4184.1	4167.3	4198.9	4348.6	4521.4	4323.3	4403.4	4298.0	3187.1
50°	3903.8	3937.5	4045.0	4110.4	4177.8	4376.0	4683.7	4639.4	4751.2	4622.6	3440.1
52.5°	3214.5	3271.4	3642.4	3916.4	4110.4	4378.1	4791.2	4951.4	5122.2	5033.6	3695.1
55°	2546.3	2611.7	2923.6	3461.1	3916.4	4338.0	4839.7	5149.6	5472.1	5345.6	3960.7
57.5°	2160.6	2198.5	2320.8	2816.1	3505.4	4217.9	4938.8	5301.3	5813.5	5727.1	4232.6
60°	1821.2	1827.5	1956.1	2268.1	2911.0	3927.0	4997.8	5417.3	6205.6	6091.8	4534.1
62.5°	1384.9	1433.4	1564.0	1810.7	2327.1	3440.1	5018.9	5535.3	6639.8	6549.2	4886.1
65°	866.3	898.0	1049.7	1370.1	1838.1	2797.2	4778.6	5653.3	7053.0	6983.4	5238.1
67.5°	465.8	491.1	600.7	836.8	1319.5	2185.9	4201.0	5617.5	7455.6	7400.8	5560.6
70°	322.5	324.6	349.9	470.1	801.0	1595.7	3414.8	5318.2	7687.4	7603.1	5687.1
72.5°	267.7	271.9	284.6	312.0	430.0	982.3	2474.7	4740.6	7535.7	7419.7	5419.4
75°	227.7	229.8	242.4	257.2	290.9	518.5	1574.6	3908.0	6755.8	6639.8	4569.9
77.5°	187.6	191.8	202.4	221.3	242.4	297.2	820.0	3039.6	5217.0	5075.8	3007.9
80°	132.8	134.9	147.6	168.6	198.1	208.7	316.2	1821.2	2715.0	2493.6	1146.7
82.5°	78.0	82.2	99.1	115.9	145.4	124.4	147.6	691.4	763.1	685.1	238.2
85°	19.0	23.2	33.7	46.4	59.0	42.2	65.3	134.9	158.1	145.4	44.3
87.5°	2.1	2.1	2.1	2.1	4.2	6.3	10.5	10.5	10.5	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°	1134.0	1134.0	1134.0	1134.0	1134.0	1134.0	1134.0	1134.0	1134.0	1134.0	1134.0
2.5°	1138.3	1117.2	1072.9	1032.9	1003.4	978.1	967.5	944.3	940.1	931.7	933.8
5°	1148.8	1102.4	1024.4	967.5	938.0	914.8	902.2	900.1	902.2	900.1	902.2
7.5°	1174.1	1106.6	1007.6	944.3	923.3	912.7	908.5	908.5	914.8	912.7	910.6
10°	1209.9	1123.5	1001.2	942.2	929.6	925.4	921.1	923.3	925.4	929.6	914.8
12.5°	1260.5	1144.6	997.0	944.3	929.6	923.3	916.9	916.9	921.1	912.7	916.9
15°	1300.6	1172.0	1001.2	938.0	921.1	910.6	900.1	895.8	891.6	889.5	887.4
17.5°	1357.5	1201.5	997.0	931.7	904.3	883.2	862.1	853.7	849.5	845.3	843.2
20°	1422.8	1220.5	990.7	914.8	874.8	843.2	820.0	803.1	788.3	786.2	779.9
22.5°	1477.6	1252.1	973.8	887.4	836.8	796.8	763.1	746.2	727.2	716.7	710.4
25°	1557.7	1285.8	948.5	847.4	786.2	748.3	701.9	680.8	659.8	645.0	645.0
27.5°	1610.4	1296.3	921.1	803.1	735.7	676.6	634.5	607.1	588.1	577.6	577.6
30°	1684.2	1321.6	876.9	758.8	676.6	623.9	571.2	545.9	529.1	512.2	505.9
32.5°	1760.1	1338.5	838.9	704.0	619.7	556.5	516.4	501.7	474.3	453.2	449.0
35°	1861.3	1363.8	790.5	649.2	558.6	510.1	493.2	459.5	421.6	400.5	396.3
37.5°	1983.5	1391.2	735.7	588.1	508.0	480.6	472.2	417.4	387.9	379.4	379.4
40°	2122.6	1412.3	676.6	531.2	455.3	463.7	442.7	392.1	373.1	368.9	366.8
42.5°	2270.2	1431.3	621.8	472.2	423.7	438.4	413.1	383.6	366.8	362.6	358.3
45°	2430.4	1435.5	567.0	427.9	396.3	402.6	392.1	373.1	358.3	356.2	354.1
47.5°	2605.3	1439.7	508.0	387.9	379.4	368.9	375.2	358.3	349.9	347.8	345.7
50°	2820.3	1429.1	453.2	362.6	366.8	347.8	356.2	345.7	343.6	339.4	335.2
52.5°	3010.1	1395.4	411.0	349.9	358.3	343.6	341.5	337.3	337.3	328.8	324.6
55°	3191.3	1349.0	383.6	343.6	347.8	337.3	335.2	330.9	328.8	318.3	316.2
57.5°	3362.1	1281.6	366.8	345.7	343.6	333.0	333.0	326.7	316.2	312.0	307.8
60°	3591.8	1224.7	360.4	349.9	339.4	330.9	330.9	320.4	309.9	303.5	301.4
62.5°	3806.8	1163.6	358.3	358.3	341.5	328.8	326.7	316.2	301.4	299.3	295.1
65°	4026.1	1087.7	356.2	368.9	345.7	328.8	322.5	307.8	290.9	290.9	286.7
67.5°	4072.4	992.8	341.5	371.0	349.9	326.7	314.1	295.1	276.1	280.3	271.9
70°	3918.6	830.5	309.9	356.2	360.4	326.7	299.3	276.1	252.9	271.9	255.1
72.5°	3454.8	655.6	259.3	312.0	352.0	326.7	282.5	250.8	221.3	219.2	204.5
75°	2727.6	440.5	200.2	244.5	320.4	326.7	257.2	219.2	187.6	170.7	170.7
77.5°	1650.5	290.9	153.9	172.8	257.2	301.4	225.5	170.7	141.2	130.7	126.5
80°	543.8	162.3	113.8	120.1	160.2	219.2	191.8	134.9	103.3	90.6	80.1
82.5°	147.6	86.4	73.8	67.5	80.1	162.3	151.8	88.5	63.2	52.7	40.0
85°	35.8	35.8	33.7	29.5	25.3	48.5	59.0	21.1	12.6	6.3	6.3
87.5°	6.3	6.3	6.3	6.3	4.2	2.1	2.1	0.0	2.1	2.1	2.1
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)