

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: P511096

Luminaire Tested: **PRV-P-PA1A-740-U-T2R**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511096  
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-PA1A-740-U-T2R  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4504.9 lumens  
Efficiency: N/A  
Efficacy: 146.7 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

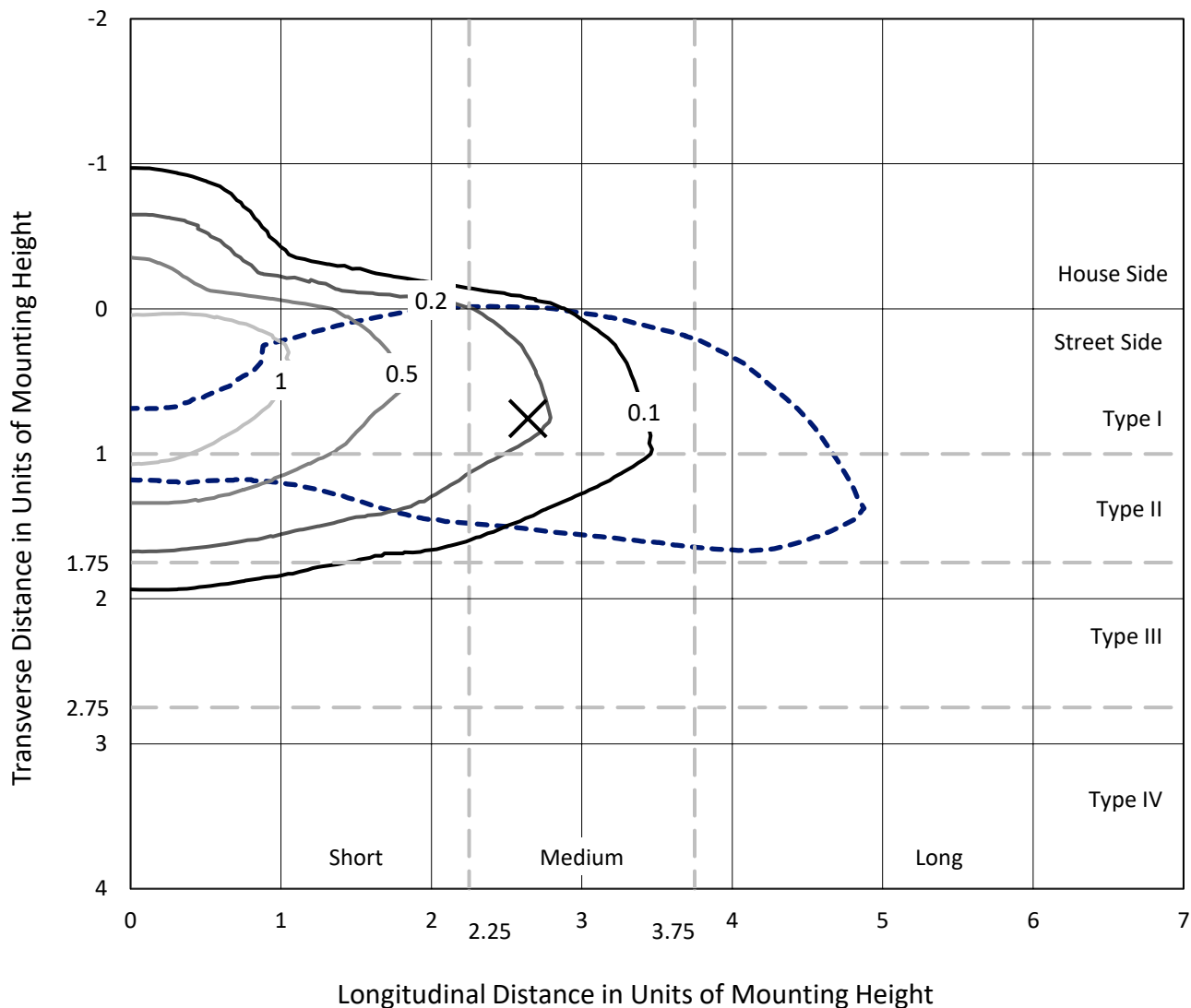
Input Watts (W): 30.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

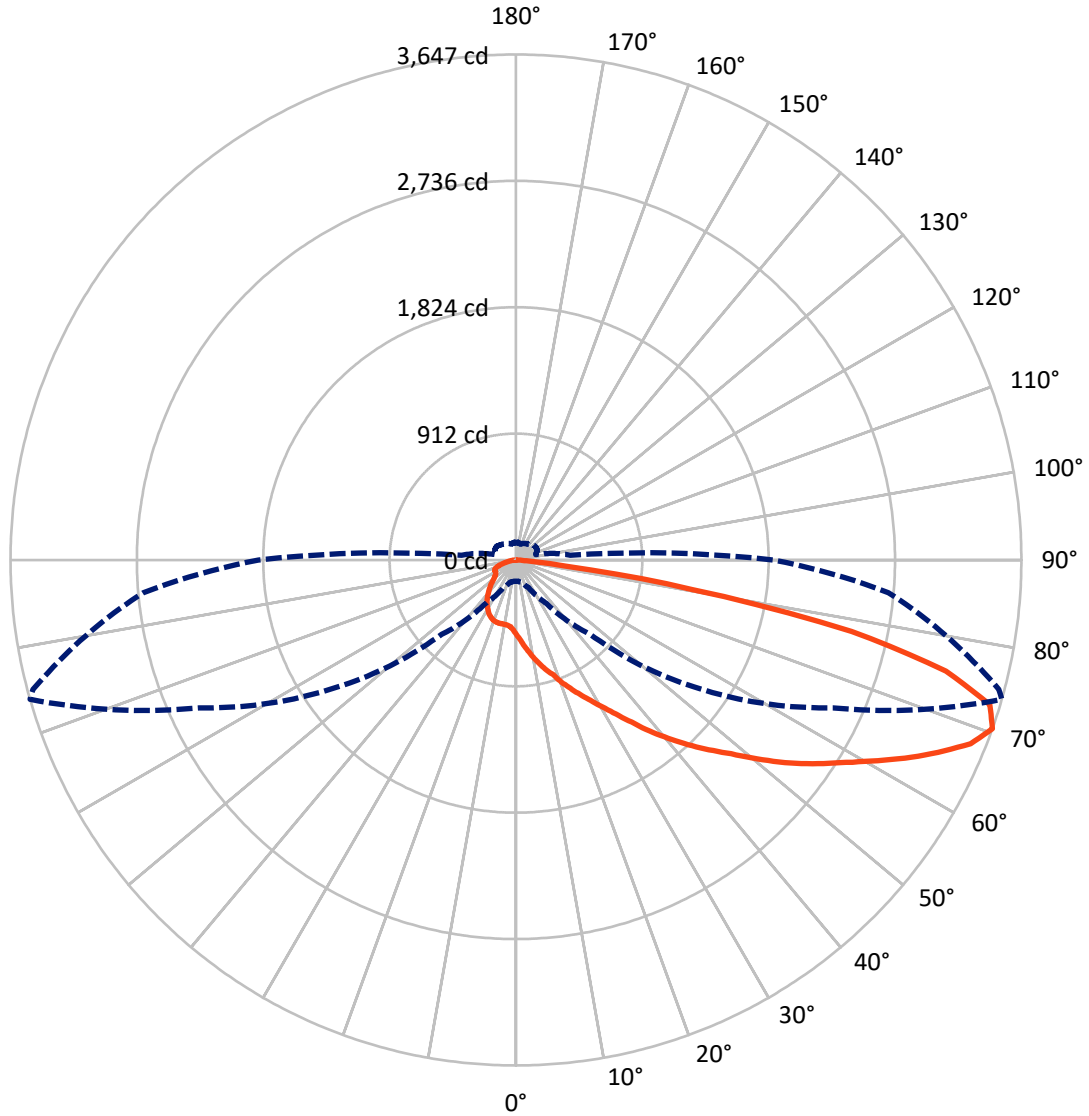
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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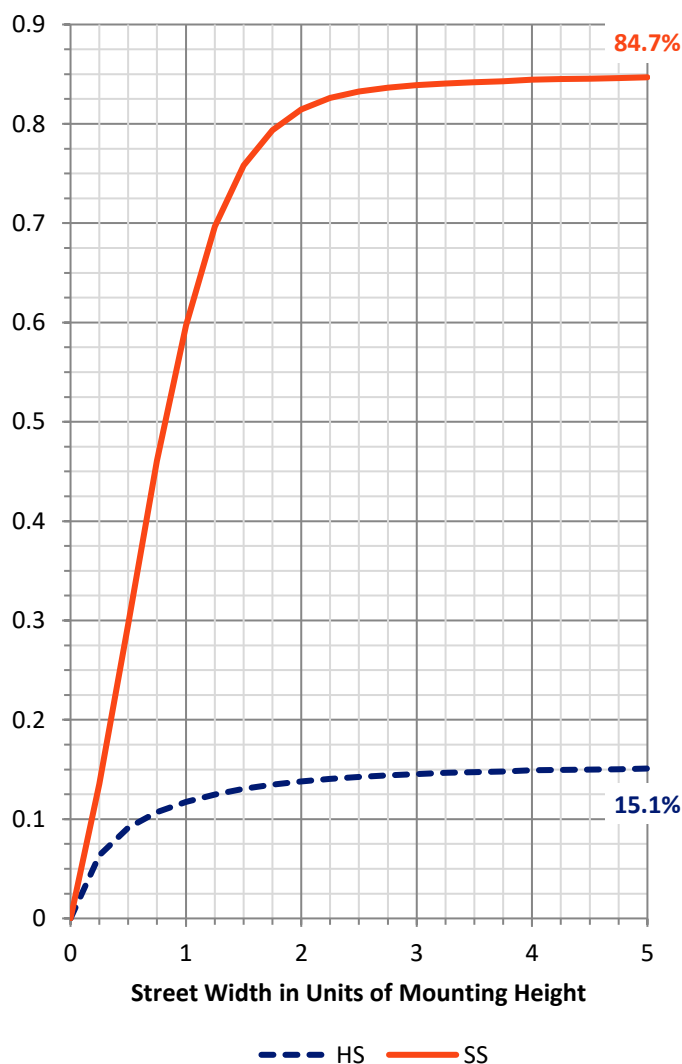
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	685.3	0.0	685.3
	% Fixture	15.2	0.0	15.2
<b>Street Side</b>	Lumens	3819.7	0.0	3819.7
	% Fixture	84.8	0.0	84.8
<b>Total</b>	Lumens	4504.9	0.0	4504.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.5	1.3
10°-20°	188.6	4.2
20°-30°	350.7	7.8
30°-40°	591.5	13.1
40°-50°	838.6	18.6
50°-60°	963.8	21.4
60°-70°	899.3	20.0
70°-80°	557.7	12.4
80°-90°	58.3	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°	4504.9	100.0
0°-180°	4504.9	100.0

**Coefficient of Utilization**



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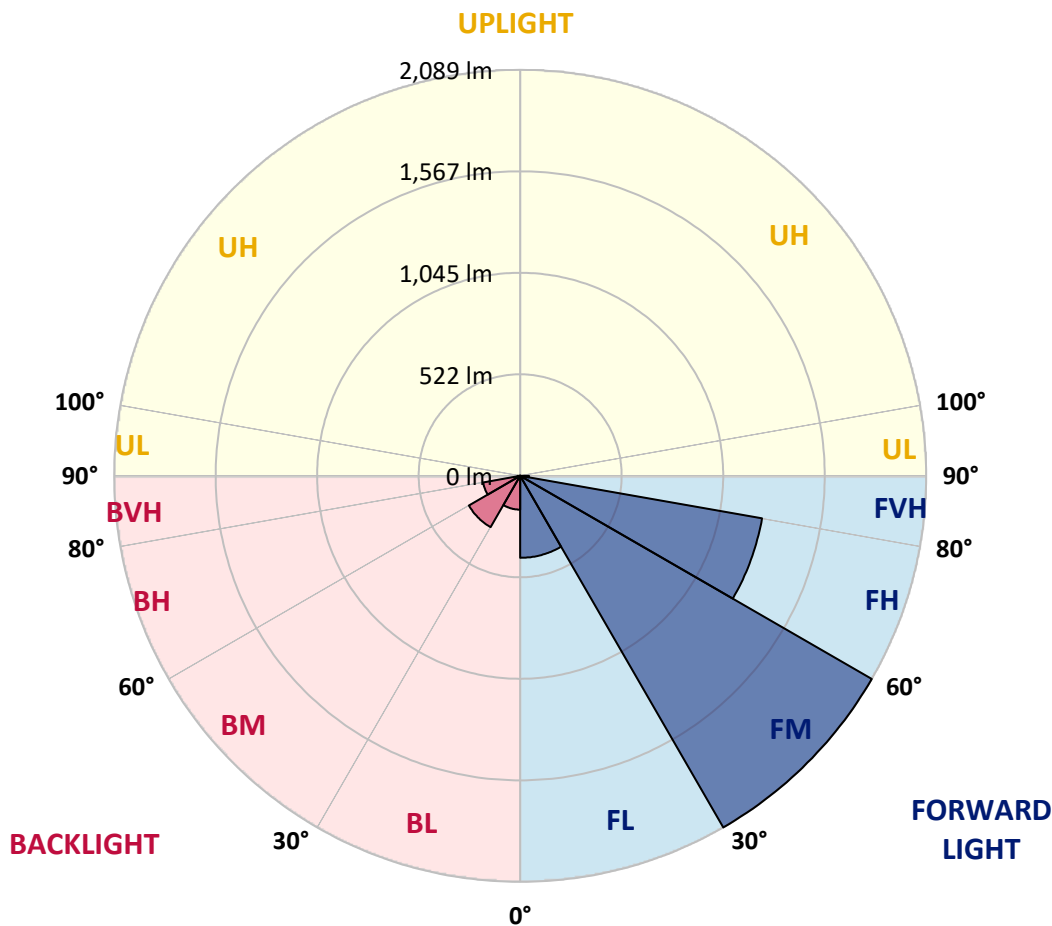
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.9	9.4			
FM (30°-60°)	2089.1	46.4			
FH (60°-80°)	1263.5	28.0			G1/1800
FVH (80°-90°)	45.1	1.0			G1/100
BL (0°-30°)	173.9	3.9	B1/500		
BM (30°-60°)	304.8	6.8	B1/1000		
BH (60°-80°)	193.5	4.3	B1/500		G1/500
BVH (80°-90°)	13.1	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-G1**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1
2.5°	674.1	678.1	675.1	669.1	658.1	635.1	620.1	603.1	575.1	575.1	554.1
5°	767.1	767.1	762.1	756.1	746.1	722.1	699.1	664.1	623.1	619.1	573.1
7.5°	810.1	810.1	810.1	809.1	805.1	786.1	760.1	717.1	669.1	665.1	592.1
10°	847.1	844.1	845.1	847.1	843.1	841.1	819.1	778.1	722.1	716.1	628.1
12.5°	885.1	879.1	881.1	885.1	888.1	881.1	865.1	832.1	770.1	766.1	659.1
15°	911.1	911.1	914.1	922.1	926.1	927.1	915.1	890.1	825.1	815.1	697.1
17.5°	930.1	929.1	935.1	949.1	964.1	970.1	974.1	946.1	870.1	866.1	733.1
20°	953.1	953.1	961.1	981.1	1000.1	1017.1	1028.1	1016.1	942.1	928.1	780.1
22.5°	1019.1	1019.1	1018.1	1029.1	1048.1	1061.1	1079.1	1078.1	1005.1	988.1	824.1
25°	1178.1	1185.1	1154.1	1118.1	1117.1	1122.1	1126.1	1157.1	1076.1	1063.1	871.1
27.5°	1407.1	1414.2	1367.1	1310.1	1231.1	1194.1	1178.1	1231.1	1147.1	1135.1	915.1
30°	1622.2	1609.2	1584.2	1522.2	1411.1	1308.1	1246.1	1304.1	1230.1	1205.1	951.1
32.5°	1768.2	1759.2	1737.2	1679.2	1588.2	1464.2	1332.1	1373.1	1325.1	1302.1	1008.1
35°	1849.2	1846.2	1823.2	1795.2	1745.2	1644.2	1453.2	1457.2	1437.2	1417.2	1073.1
37.5°	1917.2	1910.2	1886.2	1859.2	1840.2	1788.2	1613.2	1536.2	1566.2	1528.2	1142.1
40°	1963.2	1957.2	1939.2	1911.2	1908.2	1902.2	1779.2	1640.2	1691.2	1654.2	1222.1
42.5°	1985.2	1979.2	1975.2	1949.2	1955.2	1982.2	1937.2	1763.2	1822.2	1779.2	1312.1
45°	1997.2	1992.2	1989.2	1969.2	1975.2	2031.2	2064.2	1904.2	1953.2	1914.2	1405.1
47.5°	1972.2	1967.2	1985.2	1977.2	1992.2	2063.2	2145.2	2051.2	2089.2	2039.2	1512.2
50°	1852.2	1868.2	1919.2	1950.2	1982.2	2076.2	2222.2	2201.2	2254.2	2193.2	1632.2
52.5°	1525.2	1552.2	1728.2	1858.2	1950.2	2077.2	2273.2	2349.2	2430.3	2388.3	1753.2
55°	1208.1	1239.1	1387.1	1642.2	1858.2	2058.2	2296.2	2443.3	2596.3	2536.3	1879.2
57.5°	1025.1	1043.1	1101.1	1336.1	1663.2	2001.2	2343.2	2515.3	2758.3	2717.3	2008.2
60°	864.1	867.1	928.1	1076.1	1381.1	1863.2	2371.3	2570.3	2944.3	2890.3	2151.2
62.5°	657.1	680.1	742.1	859.1	1104.1	1632.2	2381.3	2626.3	3150.3	3107.3	2318.2
65°	411.0	426.0	498.1	650.1	872.1	1327.1	2267.2	2682.3	3346.4	3313.4	2485.3
67.5°	221.0	233.0	285.0	397.0	626.1	1037.1	1993.2	2665.3	3537.4	3511.4	2638.3
70°	153.0	154.0	166.0	223.0	380.0	757.1	1620.2	2523.3	3647.4	3607.4	2698.3
72.5°	127.0	129.0	135.0	148.0	204.0	466.0	1174.1	2249.2	3575.4	3520.4	2571.3
75°	108.0	109.0	115.0	122.0	138.0	246.0	747.1	1854.2	3205.3	3150.3	2168.2
77.5°	89.0	91.0	96.0	105.0	115.0	141.0	389.0	1442.2	2475.3	2408.3	1427.2
80°	63.0	64.0	70.0	80.0	94.0	99.0	150.0	864.1	1288.1	1183.1	544.1
82.5°	37.0	39.0	47.0	55.0	69.0	59.0	70.0	328.0	362.0	325.0	113.0
85°	9.0	11.0	16.0	22.0	28.0	20.0	31.0	64.0	75.0	69.0	21.0
87.5°	1.0	1.0	1.0	1.0	2.0	3.0	5.0	5.0	5.0	4.0	3.0
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°	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1
2.5°	540.1	530.1	509.1	490.1	476.1	464.0	459.0	448.0	446.0	442.0	443.0
5°	545.1	523.1	486.1	459.0	445.0	434.0	428.0	427.0	428.0	427.0	428.0
7.5°	557.1	525.1	478.1	448.0	438.0	433.0	431.0	431.0	434.0	433.0	432.0
10°	574.1	533.1	475.1	447.0	441.0	439.0	437.0	438.0	439.0	441.0	434.0
12.5°	598.1	543.1	473.1	448.0	441.0	438.0	435.0	435.0	437.0	433.0	435.0
15°	617.1	556.1	475.1	445.0	437.0	432.0	427.0	425.0	423.0	422.0	421.0
17.5°	644.1	570.1	473.1	442.0	429.0	419.0	409.0	405.0	403.0	401.0	400.0
20°	675.1	579.1	470.0	434.0	415.0	400.0	389.0	381.0	374.0	373.0	370.0
22.5°	701.1	594.1	462.0	421.0	397.0	378.0	362.0	354.0	345.0	340.0	337.0
25°	739.1	610.1	450.0	402.0	373.0	355.0	333.0	323.0	313.0	306.0	306.0
27.5°	764.1	615.1	437.0	381.0	349.0	321.0	301.0	288.0	279.0	274.0	274.0
30°	799.1	627.1	416.0	360.0	321.0	296.0	271.0	259.0	251.0	243.0	240.0
32.5°	835.1	635.1	398.0	334.0	294.0	264.0	245.0	238.0	225.0	215.0	213.0
35°	883.1	647.1	375.0	308.0	265.0	242.0	234.0	218.0	200.0	190.0	188.0
37.5°	941.1	660.1	349.0	279.0	241.0	228.0	224.0	198.0	184.0	180.0	180.0
40°	1007.1	670.1	321.0	252.0	216.0	220.0	210.0	186.0	177.0	175.0	174.0
42.5°	1077.1	679.1	295.0	224.0	201.0	208.0	196.0	182.0	174.0	172.0	170.0
45°	1153.1	681.1	269.0	203.0	188.0	191.0	186.0	177.0	170.0	169.0	168.0
47.5°	1236.1	683.1	241.0	184.0	180.0	175.0	178.0	170.0	166.0	165.0	164.0
50°	1338.1	678.1	215.0	172.0	174.0	165.0	169.0	164.0	163.0	161.0	159.0
52.5°	1428.2	662.1	195.0	166.0	170.0	163.0	162.0	160.0	160.0	156.0	154.0
55°	1514.2	640.1	182.0	163.0	165.0	160.0	159.0	157.0	156.0	151.0	150.0
57.5°	1595.2	608.1	174.0	164.0	163.0	158.0	158.0	155.0	150.0	148.0	146.0
60°	1704.2	581.1	171.0	166.0	161.0	157.0	157.0	152.0	147.0	144.0	143.0
62.5°	1806.2	552.1	170.0	170.0	162.0	156.0	155.0	150.0	143.0	142.0	140.0
65°	1910.2	516.1	169.0	175.0	164.0	156.0	153.0	146.0	138.0	138.0	136.0
67.5°	1932.2	471.1	162.0	176.0	166.0	155.0	149.0	140.0	131.0	133.0	129.0
70°	1859.2	394.0	147.0	169.0	171.0	155.0	142.0	131.0	120.0	129.0	121.0
72.5°	1639.2	311.0	123.0	148.0	167.0	155.0	134.0	119.0	105.0	104.0	97.0
75°	1294.1	209.0	95.0	116.0	152.0	155.0	122.0	104.0	89.0	81.0	81.0
77.5°	783.1	138.0	73.0	82.0	122.0	143.0	107.0	81.0	67.0	62.0	60.0
80°	258.0	77.0	54.0	57.0	76.0	104.0	91.0	64.0	49.0	43.0	38.0
82.5°	70.0	41.0	35.0	32.0	38.0	77.0	72.0	42.0	30.0	25.0	19.0
85°	17.0	17.0	16.0	14.0	12.0	23.0	28.0	10.0	6.0	3.0	3.0
87.5°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	0.0	1.0	1.0	1.0
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)