

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: P511086

Luminaire Tested: **PRV-P-PA1A-730-U-T2R-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511086  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-P-PA1A-730-U-T2R-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

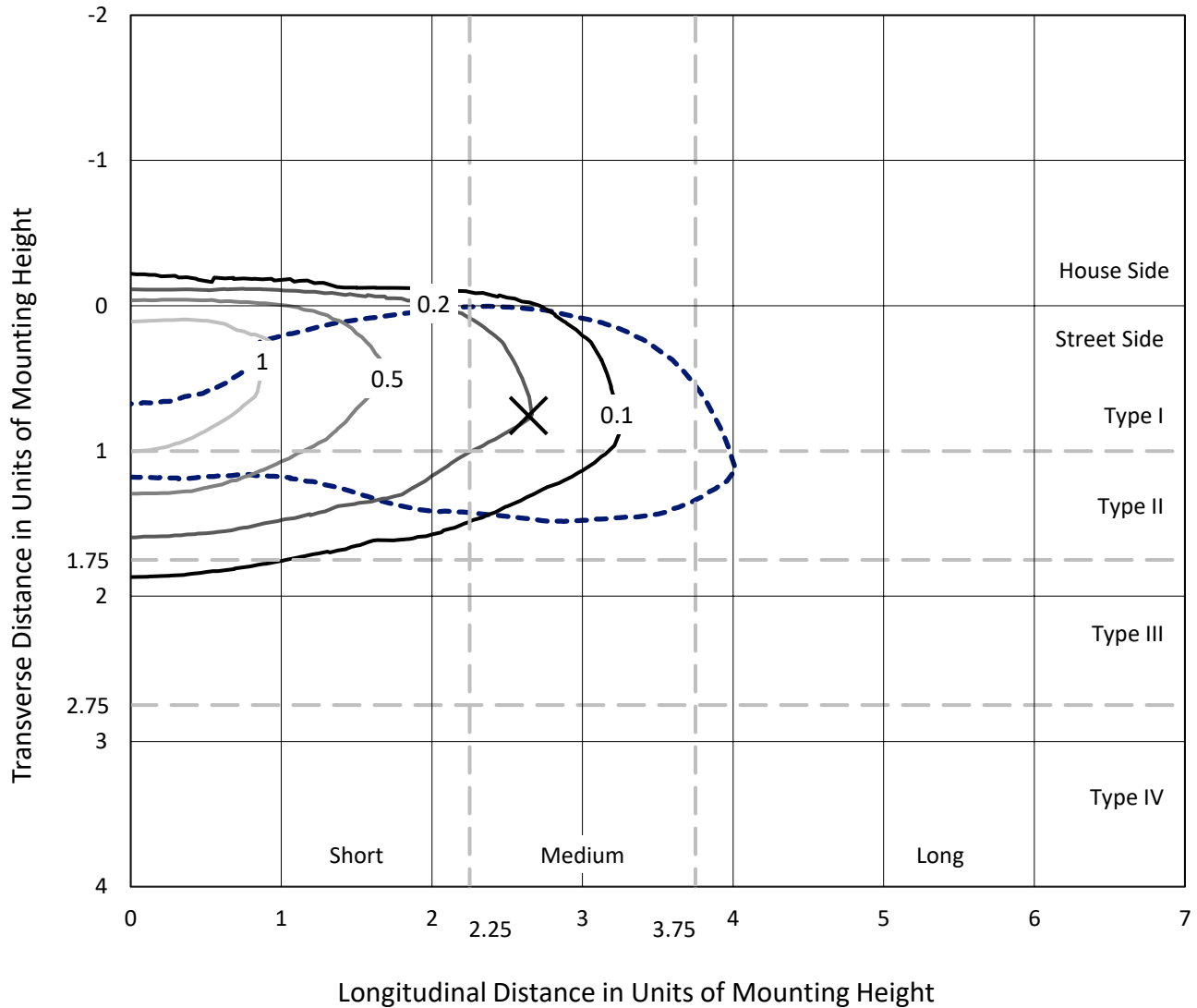
Lumens per Lamp: N/A  
Luminaire Lumens: 3394 lumens  
Efficiency: N/A  
Efficacy: 110.6 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 30.7  
Input Voltage (V): NR  
Input Current (Ain): 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

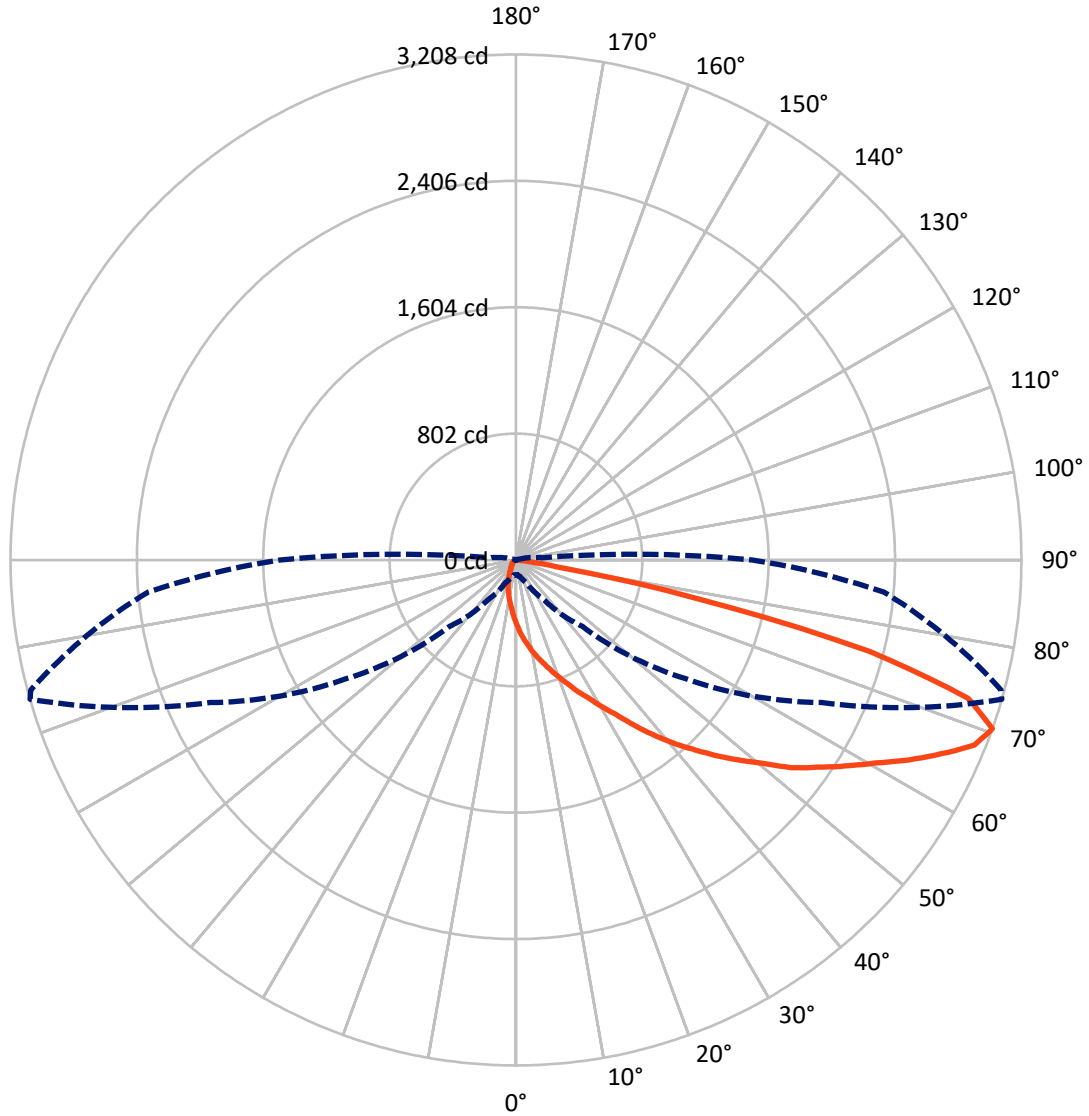
✕ Max cd  
 - - - 1/2 Max cd



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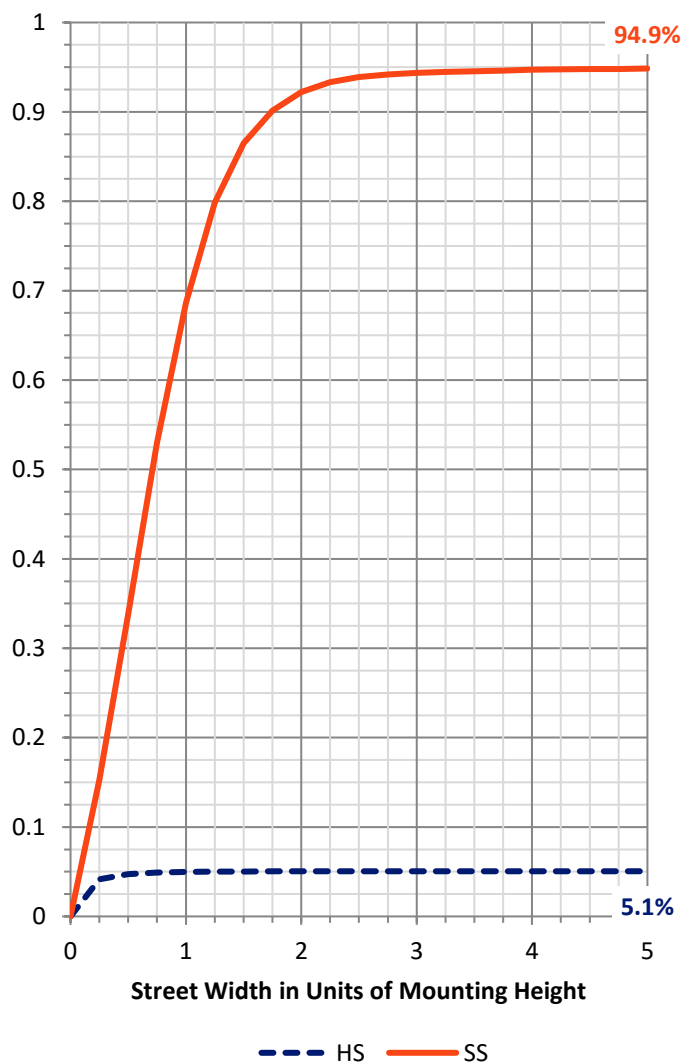
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	172.7	0.0	172.7
	% Fixture	5.1	0.0	5.1
<b>Street Side</b>	Lumens	3221.3	0.0	3221.3
	% Fixture	94.9	0.0	94.9
<b>Total</b>	Lumens	3394.0	0.0	3394.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.2	1.1
10°-20°	123.0	3.6
20°-30°	246.0	7.2
30°-40°	459.9	13.5
40°-50°	681.5	20.1
50°-60°	779.3	23.0
60°-70°	705.7	20.8
70°-80°	348.5	10.3
80°-90°	11.8	0.3
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°	3394.0	100.0
0°-180°	3394.0	100.0

**Coefficient of Utilization**

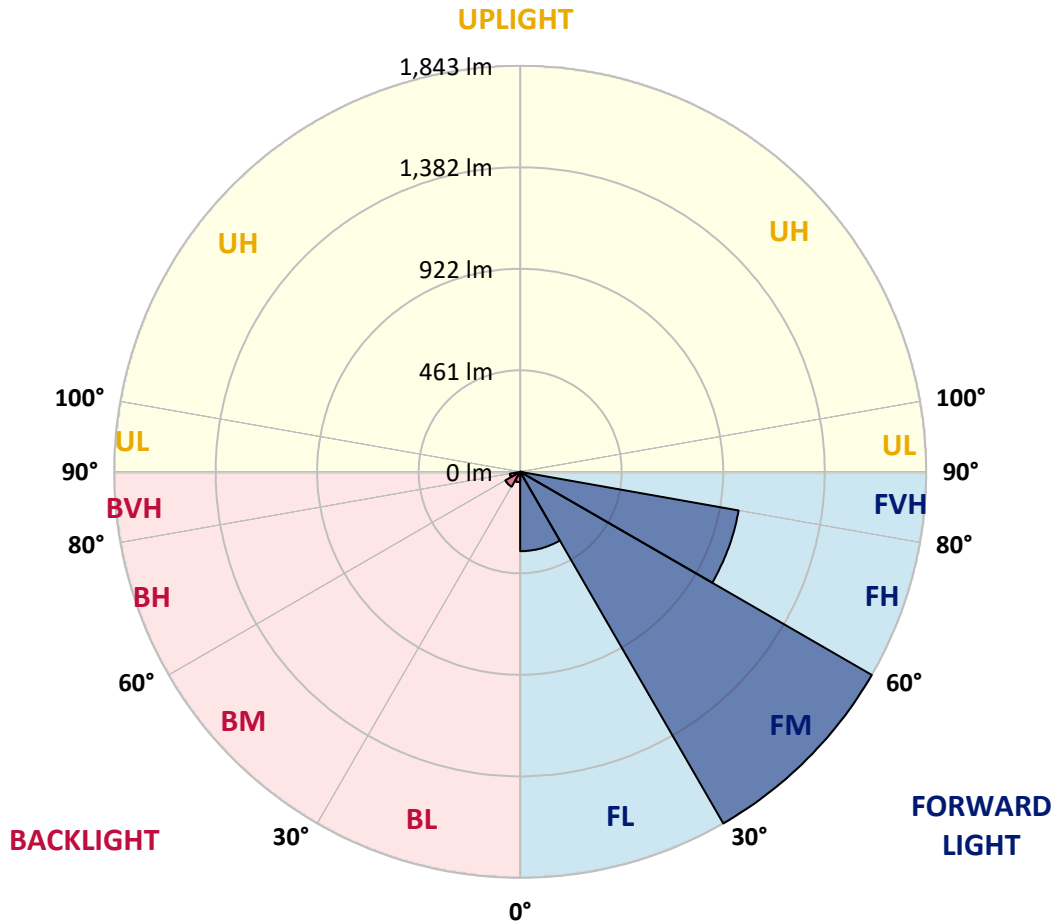


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	360.3	10.6			
FM (30°-60°)	1843.1	54.3			
FH (60°-80°)	1006.9	29.7			G1/1800
FVH (80°-90°)	11.1	0.3			G1/100
BL (0°-30°)	47.0	1.4	B0/110		
BM (30°-60°)	77.6	2.3	B0/220		
BH (60°-80°)	47.3	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3
2.5°	554.5	550.9	547.3	547.3	536.3	514.5	501.7	479.9	453.5	448.0	424.3
5°	634.7	638.3	633.8	624.7	614.6	597.3	572.8	536.3	499.0	496.3	440.7
7.5°	675.7	677.5	674.7	675.7	670.2	652.0	632.9	593.7	545.4	540.9	465.3
10°	710.3	712.1	709.3	711.2	703.0	699.3	682.0	645.6	593.7	588.2	493.5
12.5°	754.0	753.1	752.1	755.8	745.8	739.4	728.5	695.7	641.1	631.0	527.2
15°	780.4	782.2	780.4	790.4	793.1	786.7	770.4	744.9	688.4	682.0	560.9
17.5°	798.6	798.6	806.8	823.2	830.5	833.2	828.6	794.9	743.0	733.9	601.9
20°	817.7	823.2	830.5	849.6	863.2	876.9	884.2	866.0	799.5	791.3	642.0
22.5°	869.6	871.4	872.3	890.6	903.3	921.5	929.7	930.6	858.7	851.4	682.9
25°	1024.4	1011.7	985.3	963.4	968.9	973.4	973.4	999.8	930.6	917.0	726.6
27.5°	1235.7	1228.4	1194.7	1141.0	1050.8	1043.5	1034.4	1073.6	996.2	978.9	765.8
30°	1433.3	1431.4	1384.1	1321.3	1226.6	1131.9	1097.3	1139.1	1082.7	1056.3	805.0
32.5°	1565.3	1568.0	1543.4	1492.4	1407.8	1281.2	1168.3	1202.0	1170.1	1151.9	853.2
35°	1651.8	1651.8	1632.7	1604.4	1546.2	1443.3	1273.9	1280.3	1284.8	1265.7	918.8
37.5°	1710.1	1703.7	1683.7	1667.3	1640.0	1583.5	1429.6	1364.1	1403.2	1365.9	990.7
40°	1752.0	1741.0	1727.4	1707.3	1696.4	1687.3	1585.3	1458.8	1524.3	1487.9	1068.1
42.5°	1772.0	1770.2	1753.8	1740.1	1734.7	1762.9	1725.6	1571.7	1640.0	1612.6	1146.4
45°	1775.6	1776.5	1772.0	1753.8	1756.5	1813.9	1829.4	1701.0	1767.4	1735.6	1237.5
47.5°	1748.3	1748.3	1761.1	1763.8	1767.4	1834.8	1929.5	1847.6	1894.9	1859.4	1328.5
50°	1631.8	1646.3	1691.0	1730.1	1743.8	1846.7	1996.9	1977.8	2028.8	1989.6	1437.8
52.5°	1318.5	1340.4	1488.8	1622.7	1712.8	1838.5	2037.0	2108.0	2190.0	2156.3	1551.6
55°	998.0	1018.9	1135.5	1406.9	1612.6	1813.0	2056.1	2189.0	2322.0	2290.1	1655.4
57.5°	845.0	836.8	905.1	1123.7	1421.4	1740.1	2074.3	2250.1	2466.8	2430.3	1768.4
60°	718.5	706.6	750.3	873.2	1139.1	1598.1	2088.0	2288.3	2617.0	2577.9	1898.6
62.5°	547.3	552.7	593.7	703.0	916.0	1354.9	2059.7	2316.5	2795.5	2757.2	2036.1
65°	330.5	355.1	424.3	533.6	720.3	1088.1	1934.1	2324.7	2966.7	2932.1	2179.0
67.5°	162.1	174.8	223.1	332.4	523.6	862.3	1670.0	2285.6	3137.9	3120.6	2314.7
70°	94.7	93.8	112.0	160.3	305.0	595.5	1312.2	2139.9	3208.0	3187.0	2343.8
72.5°	70.1	73.8	82.9	95.6	149.3	379.7	949.7	1878.5	3001.3	2962.1	2083.4
75°	49.2	51.0	63.7	72.8	88.3	190.3	598.3	1373.2	2322.0	2262.8	1394.1
77.5°	37.3	39.2	45.5	60.1	69.2	92.9	216.7	743.9	1165.5	1114.6	562.7
80°	17.3	18.2	28.2	39.2	50.1	54.6	58.3	224.0	261.3	229.5	84.7
82.5°	10.9	12.7	16.4	29.1	35.5	24.6	23.7	49.2	43.7	40.1	20.0
85°	0.9	0.9	7.3	10.9	7.3	3.6	11.8	11.8	13.7	14.6	7.3
87.5°	0.0	0.0	0.0	0.9	1.8	1.8	2.7	2.7	2.7	2.7	2.7
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°	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3
2.5°	408.9	393.4	364.2	336.0	311.4	285.9	267.7	262.2	252.2	244.9	250.4
5°	412.5	383.4	323.3	272.3	228.6	198.5	177.6	161.2	145.7	140.2	143.0
7.5°	421.6	375.2	287.7	223.1	172.1	134.8	112.9	100.2	92.0	88.3	86.5
10°	436.2	373.3	259.5	181.2	124.7	92.9	79.2	73.8	71.9	71.0	71.0
12.5°	449.8	366.1	229.5	141.1	92.9	73.8	68.3	65.6	64.7	63.7	62.8
15°	468.0	364.2	204.0	110.2	74.7	66.5	61.0	58.3	56.5	55.5	55.5
17.5°	482.6	361.5	175.7	87.4	67.4	60.1	54.6	51.0	49.2	48.3	47.4
20°	505.4	361.5	151.2	74.7	61.9	54.6	48.3	44.6	41.9	40.1	40.1
22.5°	530.0	364.2	125.7	67.4	57.4	48.3	41.9	37.3	34.6	33.7	32.8
25°	556.4	363.3	103.8	61.0	51.0	41.9	35.5	31.0	29.1	28.2	28.2
27.5°	578.2	357.9	84.7	55.5	44.6	35.5	29.1	25.5	24.6	23.7	23.7
30°	602.8	352.4	69.2	49.2	38.2	30.0	24.6	21.9	20.0	20.0	20.0
32.5°	633.8	348.8	59.2	42.8	32.8	25.5	20.9	18.2	18.2	17.3	17.3
35°	676.6	344.2	52.8	37.3	27.3	20.9	17.3	15.5	14.6	15.5	15.5
37.5°	727.6	337.8	47.4	32.8	23.7	18.2	14.6	13.7	13.7	13.7	13.7
40°	781.3	336.9	41.9	28.2	20.0	14.6	12.7	10.9	10.9	11.8	12.7
42.5°	845.9	333.3	38.2	25.5	17.3	12.7	10.0	9.1	10.0	10.9	10.9
45°	905.1	326.0	34.6	21.9	15.5	10.9	9.1	8.2	8.2	9.1	10.0
47.5°	978.0	322.3	31.9	19.1	12.7	9.1	7.3	6.4	6.4	7.3	8.2
50°	1065.4	324.2	28.2	16.4	10.9	8.2	6.4	4.6	5.5	6.4	6.4
52.5°	1143.7	321.4	25.5	13.7	9.1	6.4	4.6	3.6	3.6	5.5	5.5
55°	1214.7	318.7	21.9	11.8	7.3	5.5	3.6	2.7	2.7	4.6	4.6
57.5°	1290.3	310.5	19.1	10.0	6.4	4.6	2.7	1.8	2.7	3.6	3.6
60°	1379.5	297.8	16.4	8.2	5.5	4.6	1.8	1.8	1.8	2.7	2.7
62.5°	1466.0	282.3	14.6	8.2	4.6	3.6	1.8	0.9	0.9	1.8	1.8
65°	1565.3	255.0	12.7	7.3	4.6	2.7	1.8	0.9	0.9	0.9	0.9
67.5°	1593.5	215.8	11.8	5.5	3.6	2.7	1.8	0.9	0.0	0.9	0.9
70°	1501.6	162.1	10.9	4.6	2.7	1.8	0.9	0.9	0.0	0.9	0.9
72.5°	1200.1	100.2	9.1	3.6	2.7	1.8	0.9	0.0	0.0	0.0	0.9
75°	742.1	43.7	6.4	2.7	1.8	1.8	0.9	0.0	0.0	0.0	0.0
77.5°	275.9	22.8	4.6	2.7	1.8	0.9	0.9	0.0	0.0	0.0	0.0
80°	39.2	10.0	2.7	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.0
82.5°	10.0	4.6	1.8	1.8	0.9	0.9	0.9	0.0	0.0	0.0	0.0
85°	4.6	2.7	1.8	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.0
87.5°	2.7	2.7	2.7	1.8	1.8	0.9	0.9	0.0	0.0	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)