

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: P511104

Luminaire Tested: **PRV-P-PA1A-750-U-T2R-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511104  
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-750-U-T2R-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 5000K, 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: 3727 lumens  
Efficiency: N/A  
Efficacy: 121.4 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

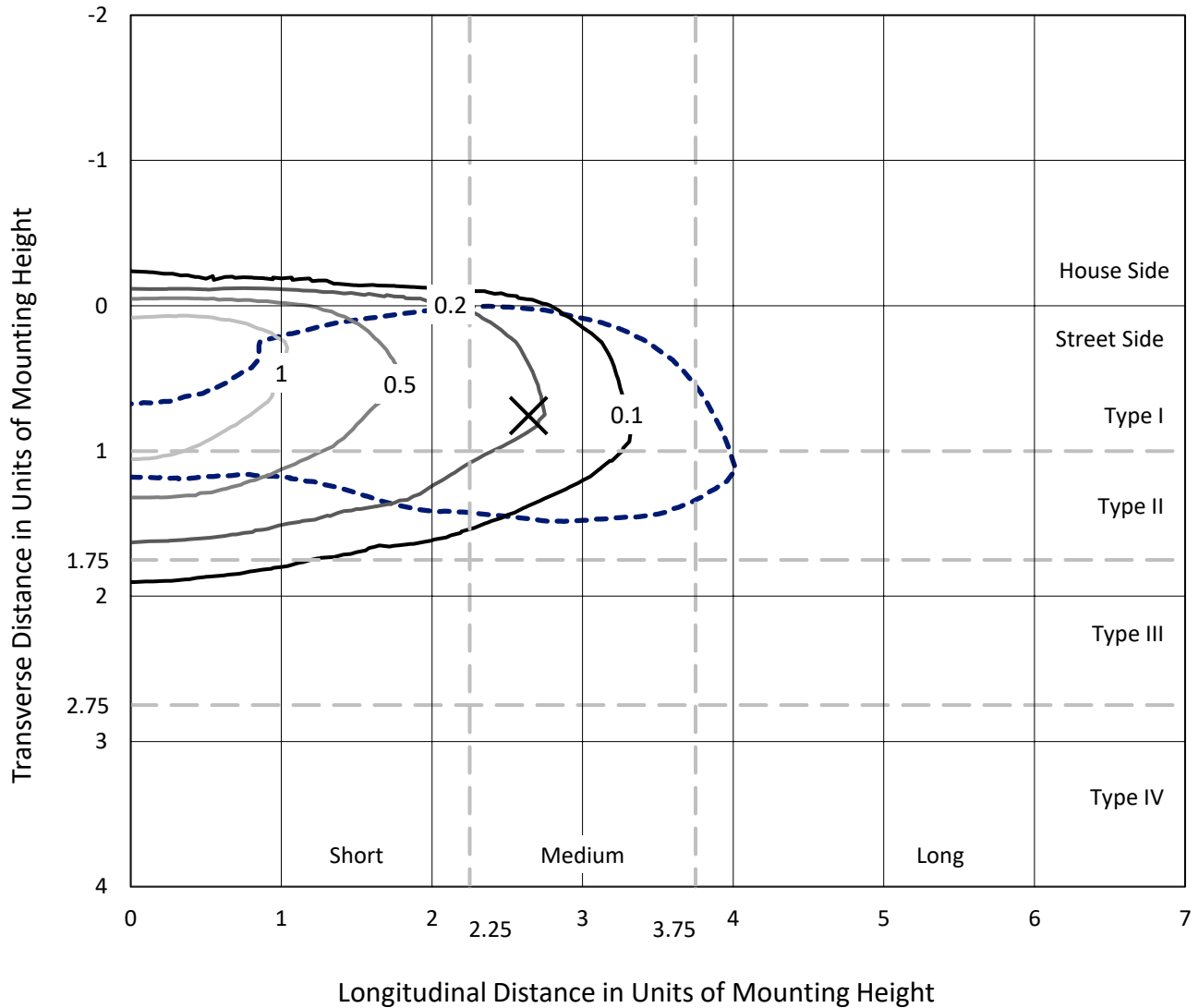
Input Watts (W): 30.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

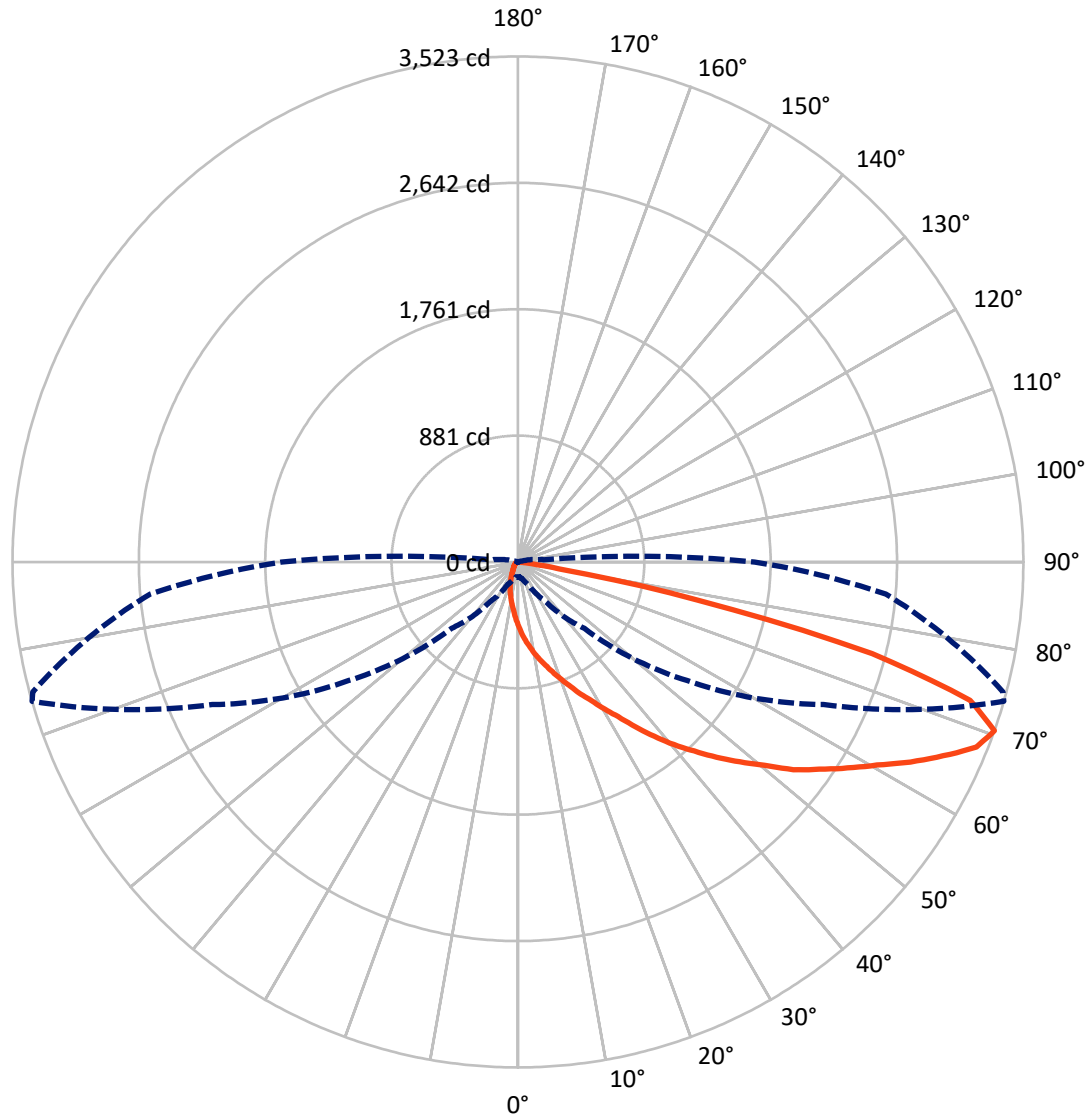
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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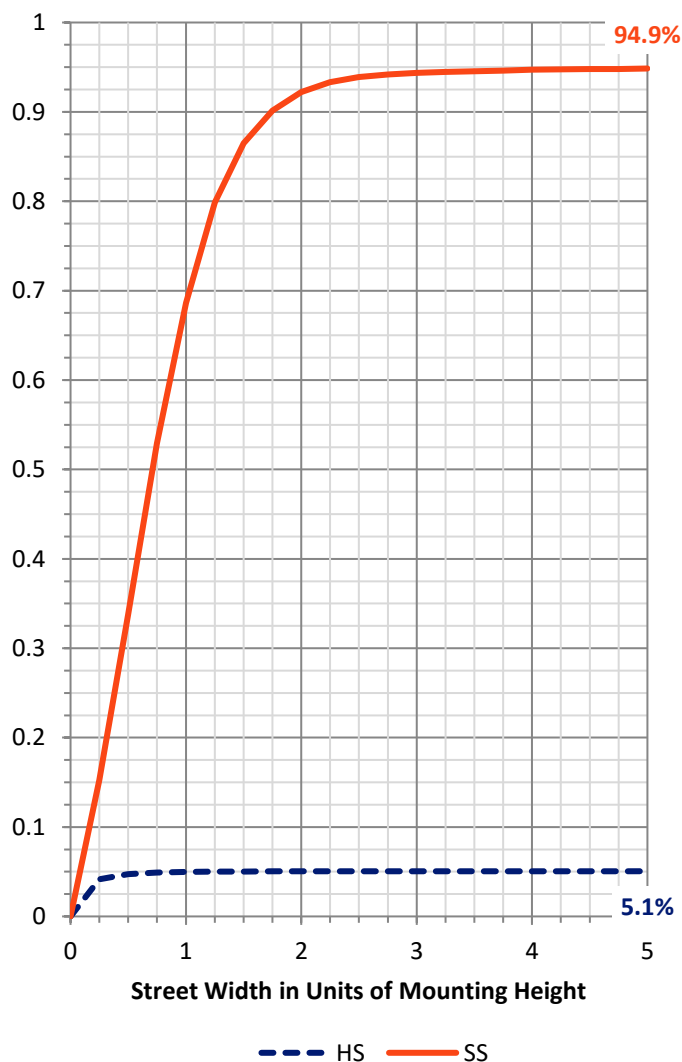
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	189.6	0.0	189.6
	% Fixture	5.1	0.0	5.1
<b>Street Side</b>	Lumens	3537.4	0.0	3537.4
	% Fixture	94.9	0.0	94.9
<b>Total</b>	Lumens	3727.0	0.0	3727.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.0	1.1
10°-20°	135.1	3.6
20°-30°	270.2	7.2
30°-40°	505.0	13.5
40°-50°	748.4	20.1
50°-60°	855.7	23.0
60°-70°	775.0	20.8
70°-80°	382.7	10.3
80°-90°	13.0	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°	3727.0	100.0
0°-180°	3727.0	100.0

**Coefficient of Utilization**



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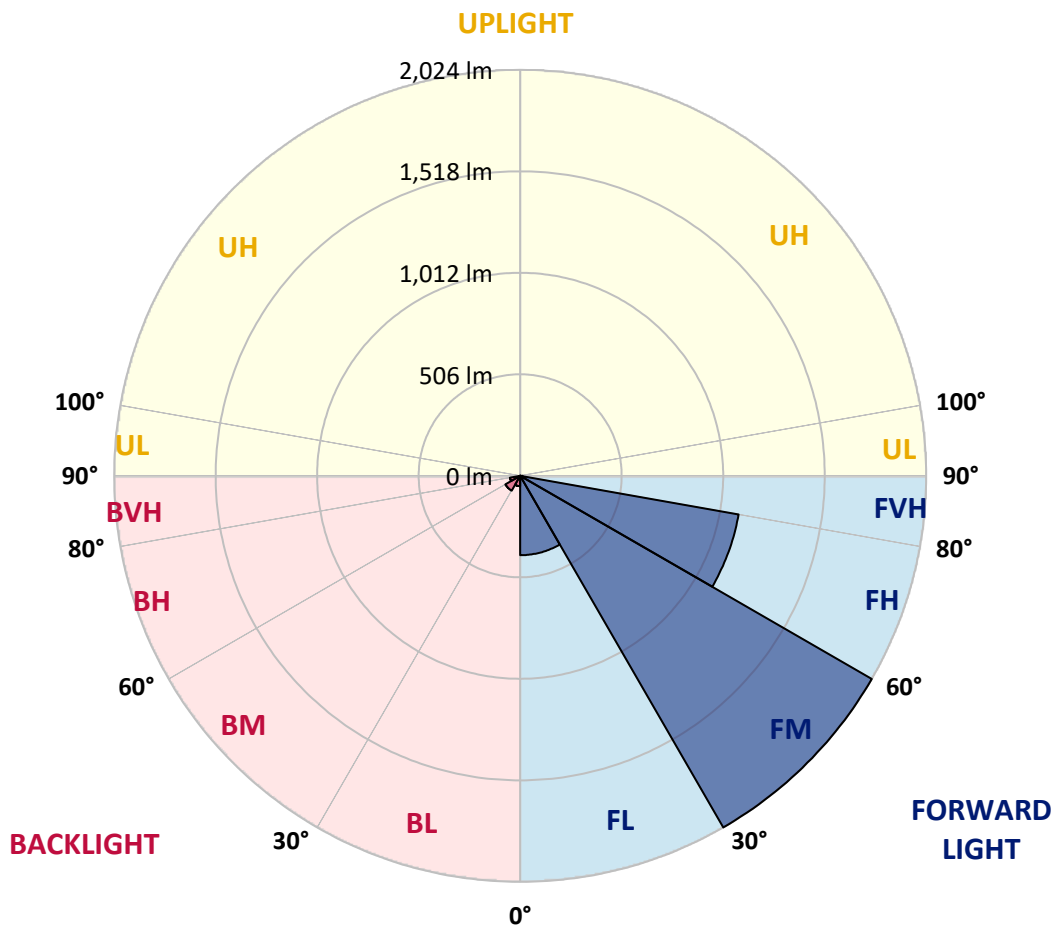
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	395.6	10.6			
FM (30°-60°)	2023.9	54.3			
FH (60°-80°)	1105.7	29.7			G1/1800
FVH (80°-90°)	12.2	0.3			G1/100
BL (0°-30°)	51.7	1.4	B0/110		
BM (30°-60°)	85.2	2.3	B0/220		
BH (60°-80°)	52.0	1.4	B0/110		G0/110
BVH (80°-90°)	0.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0
2.5°	609.0	605.0	601.0	601.0	589.0	565.0	551.0	527.0	498.0	492.0	466.0
5°	696.9	700.9	695.9	685.9	674.9	656.0	629.0	589.0	548.0	545.0	484.0
7.5°	741.9	743.9	740.9	741.9	735.9	715.9	694.9	652.0	599.0	594.0	511.0
10°	779.9	781.9	778.9	780.9	771.9	767.9	748.9	708.9	652.0	646.0	542.0
12.5°	827.9	826.9	825.9	829.9	818.9	811.9	799.9	763.9	703.9	692.9	579.0
15°	856.9	858.9	856.9	867.9	870.9	863.9	845.9	817.9	755.9	748.9	616.0
17.5°	876.9	876.9	885.9	903.9	911.9	914.9	909.9	872.9	815.9	805.9	661.0
20°	897.9	903.9	911.9	932.9	947.9	962.9	970.9	950.9	877.9	868.9	704.9
22.5°	954.9	956.9	957.9	977.9	991.9	1011.9	1020.9	1021.9	942.9	934.9	749.9
25°	1124.9	1110.9	1081.9	1057.9	1063.9	1068.9	1068.9	1097.9	1021.9	1006.9	797.9
27.5°	1356.9	1348.9	1311.9	1252.9	1153.9	1145.9	1135.9	1178.9	1093.9	1074.9	840.9
30°	1573.9	1571.9	1519.9	1450.9	1346.9	1242.9	1204.9	1250.9	1188.9	1159.9	883.9
32.5°	1718.9	1721.9	1694.9	1638.9	1545.9	1406.9	1282.9	1319.9	1284.9	1264.9	936.9
35°	1813.9	1813.9	1792.9	1761.9	1697.9	1584.9	1398.9	1405.9	1410.9	1389.9	1008.9
37.5°	1877.9	1870.9	1848.9	1830.9	1800.9	1738.9	1569.9	1497.9	1540.9	1499.9	1087.9
40°	1923.9	1911.9	1896.9	1874.9	1862.9	1852.9	1740.9	1601.9	1673.9	1633.9	1172.9
42.5°	1945.9	1943.9	1925.9	1910.9	1904.9	1935.9	1894.9	1725.9	1800.9	1770.9	1258.9
45°	1949.9	1950.9	1945.9	1925.9	1928.9	1991.9	2008.8	1867.9	1940.9	1905.9	1358.9
47.5°	1919.9	1919.9	1933.9	1936.9	1940.9	2014.8	2118.8	2028.8	2080.8	2041.8	1458.9
50°	1791.9	1807.9	1856.9	1899.9	1914.9	2027.8	2192.8	2171.8	2227.8	2184.8	1578.9
52.5°	1447.9	1471.9	1634.9	1781.9	1880.9	2018.8	2236.8	2314.8	2404.8	2367.8	1703.9
55°	1095.9	1118.9	1246.9	1544.9	1770.9	1990.9	2257.8	2403.8	2549.8	2514.8	1817.9
57.5°	927.9	918.9	993.9	1233.9	1560.9	1910.9	2277.8	2470.8	2708.8	2668.8	1941.9
60°	788.9	775.9	823.9	958.9	1250.9	1754.9	2292.8	2512.8	2873.8	2830.8	2084.8
62.5°	601.0	607.0	652.0	771.9	1005.9	1487.9	2261.8	2543.8	3069.8	3027.8	2235.8
65°	363.0	390.0	466.0	586.0	790.9	1194.9	2123.8	2552.8	3257.8	3219.8	2392.8
67.5°	178.0	192.0	245.0	365.0	575.0	946.9	1833.9	2509.8	3445.7	3426.7	2541.8
70°	104.0	103.0	123.0	176.0	335.0	654.0	1440.9	2349.8	3522.7	3499.7	2573.8
72.5°	77.0	81.0	91.0	105.0	164.0	417.0	1042.9	2062.8	3295.8	3252.8	2287.8
75°	54.0	56.0	70.0	80.0	97.0	209.0	657.0	1507.9	2549.8	2484.8	1530.9
77.5°	41.0	43.0	50.0	66.0	76.0	102.0	238.0	816.9	1279.9	1223.9	618.0
80°	19.0	20.0	31.0	43.0	55.0	60.0	64.0	246.0	287.0	252.0	93.0
82.5°	12.0	14.0	18.0	32.0	39.0	27.0	26.0	54.0	48.0	44.0	22.0
85°	1.0	1.0	8.0	12.0	8.0	4.0	13.0	13.0	15.0	16.0	8.0
87.5°	0.0	0.0	0.0	1.0	2.0	2.0	3.0	3.0	3.0	3.0	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°	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0	444.0
2.5°	449.0	432.0	400.0	369.0	342.0	314.0	294.0	288.0	277.0	269.0	275.0
5°	453.0	421.0	355.0	299.0	251.0	218.0	195.0	177.0	160.0	154.0	157.0
7.5°	463.0	412.0	316.0	245.0	189.0	148.0	124.0	110.0	101.0	97.0	95.0
10°	479.0	410.0	285.0	199.0	137.0	102.0	87.0	81.0	79.0	78.0	78.0
12.5°	494.0	402.0	252.0	155.0	102.0	81.0	75.0	72.0	71.0	70.0	69.0
15°	514.0	400.0	224.0	121.0	82.0	73.0	67.0	64.0	62.0	61.0	61.0
17.5°	530.0	397.0	193.0	96.0	74.0	66.0	60.0	56.0	54.0	53.0	52.0
20°	555.0	397.0	166.0	82.0	68.0	60.0	53.0	49.0	46.0	44.0	44.0
22.5°	582.0	400.0	138.0	74.0	63.0	53.0	46.0	41.0	38.0	37.0	36.0
25°	611.0	399.0	114.0	67.0	56.0	46.0	39.0	34.0	32.0	31.0	31.0
27.5°	635.0	393.0	93.0	61.0	49.0	39.0	32.0	28.0	27.0	26.0	26.0
30°	662.0	387.0	76.0	54.0	42.0	33.0	27.0	24.0	22.0	22.0	22.0
32.5°	695.9	383.0	65.0	47.0	36.0	28.0	23.0	20.0	20.0	19.0	19.0
35°	742.9	378.0	58.0	41.0	30.0	23.0	19.0	17.0	16.0	17.0	17.0
37.5°	798.9	371.0	52.0	36.0	26.0	20.0	16.0	15.0	15.0	15.0	15.0
40°	857.9	370.0	46.0	31.0	22.0	16.0	14.0	12.0	12.0	13.0	14.0
42.5°	928.9	366.0	42.0	28.0	19.0	14.0	11.0	10.0	11.0	12.0	12.0
45°	993.9	358.0	38.0	24.0	17.0	12.0	10.0	9.0	9.0	10.0	11.0
47.5°	1073.9	354.0	35.0	21.0	14.0	10.0	8.0	7.0	7.0	8.0	9.0
50°	1169.9	356.0	31.0	18.0	12.0	9.0	7.0	5.0	6.0	7.0	7.0
52.5°	1255.9	353.0	28.0	15.0	10.0	7.0	5.0	4.0	4.0	6.0	6.0
55°	1333.9	350.0	24.0	13.0	8.0	6.0	4.0	3.0	3.0	5.0	5.0
57.5°	1416.9	341.0	21.0	11.0	7.0	5.0	3.0	2.0	3.0	4.0	4.0
60°	1514.9	327.0	18.0	9.0	6.0	5.0	2.0	2.0	2.0	3.0	3.0
62.5°	1609.9	310.0	16.0	9.0	5.0	4.0	2.0	1.0	1.0	2.0	2.0
65°	1718.9	280.0	14.0	8.0	5.0	3.0	2.0	1.0	1.0	1.0	1.0
67.5°	1749.9	237.0	13.0	6.0	4.0	3.0	2.0	1.0	0.0	1.0	1.0
70°	1648.9	178.0	12.0	5.0	3.0	2.0	1.0	1.0	0.0	1.0	1.0
72.5°	1317.9	110.0	10.0	4.0	3.0	2.0	1.0	0.0	0.0	0.0	1.0
75°	814.9	48.0	7.0	3.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0
77.5°	303.0	25.0	5.0	3.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0
80°	43.0	11.0	3.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0
82.5°	11.0	5.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
85°	5.0	3.0	2.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0
87.5°	3.0	3.0	3.0	2.0	2.0	1.0	1.0	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)