

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: P511095

Luminaire Tested: **PRV-P-PA1A-8540-U-T2R-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511095
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-8540-U-T2R-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 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: 2918.3 lumens
Efficiency: N/A
Efficacy: 95.1 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: 28.75 FT



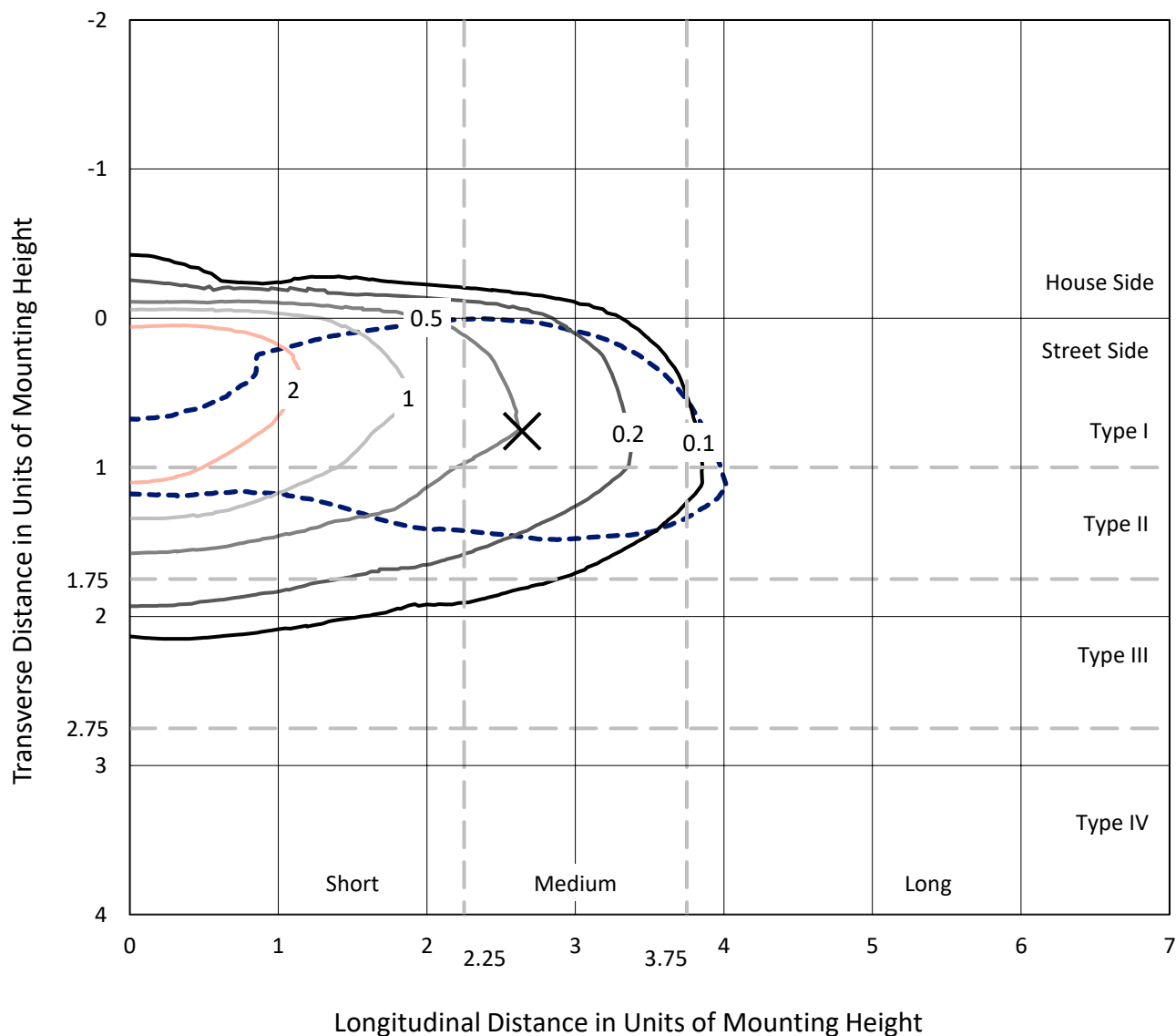
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

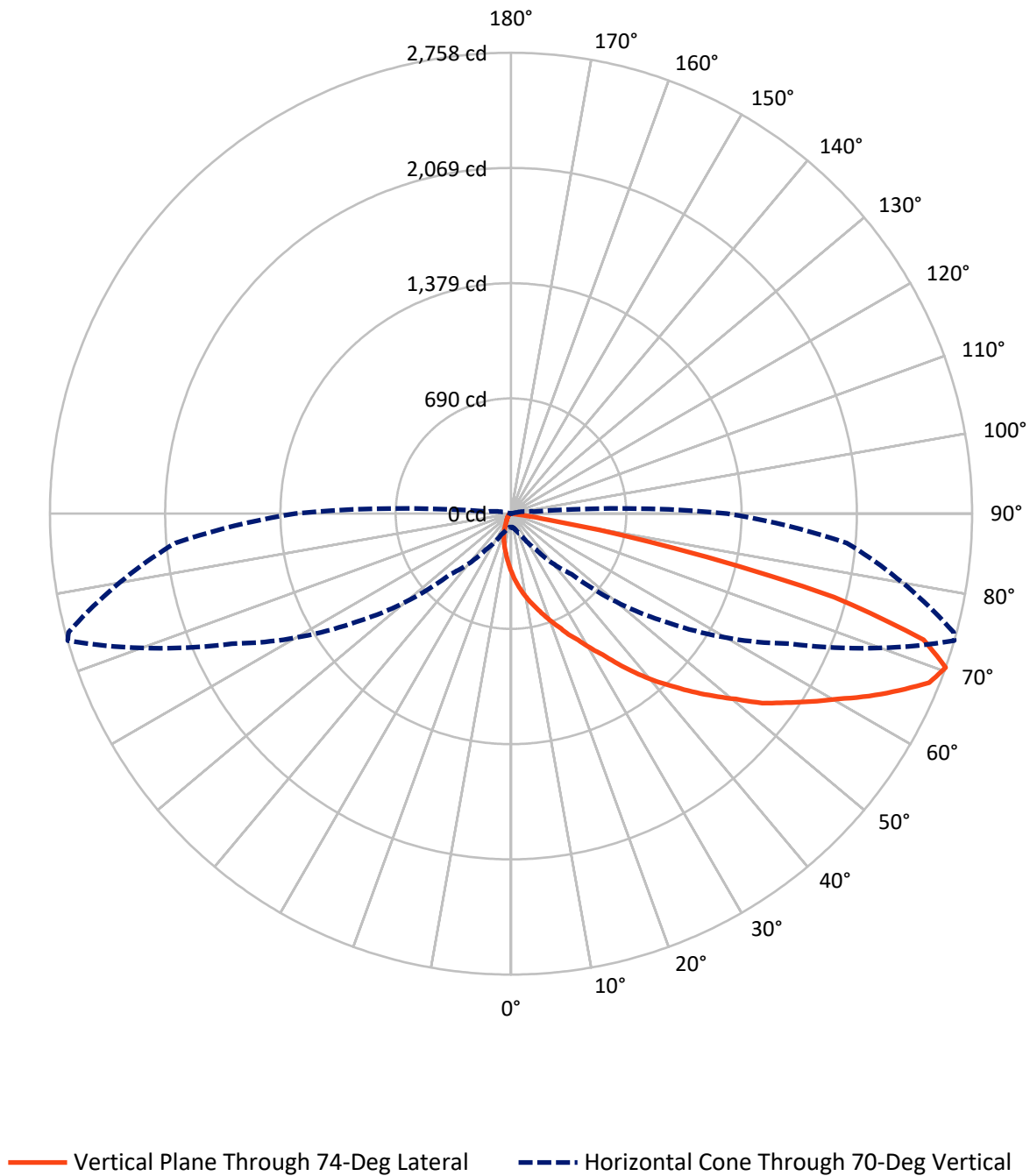


Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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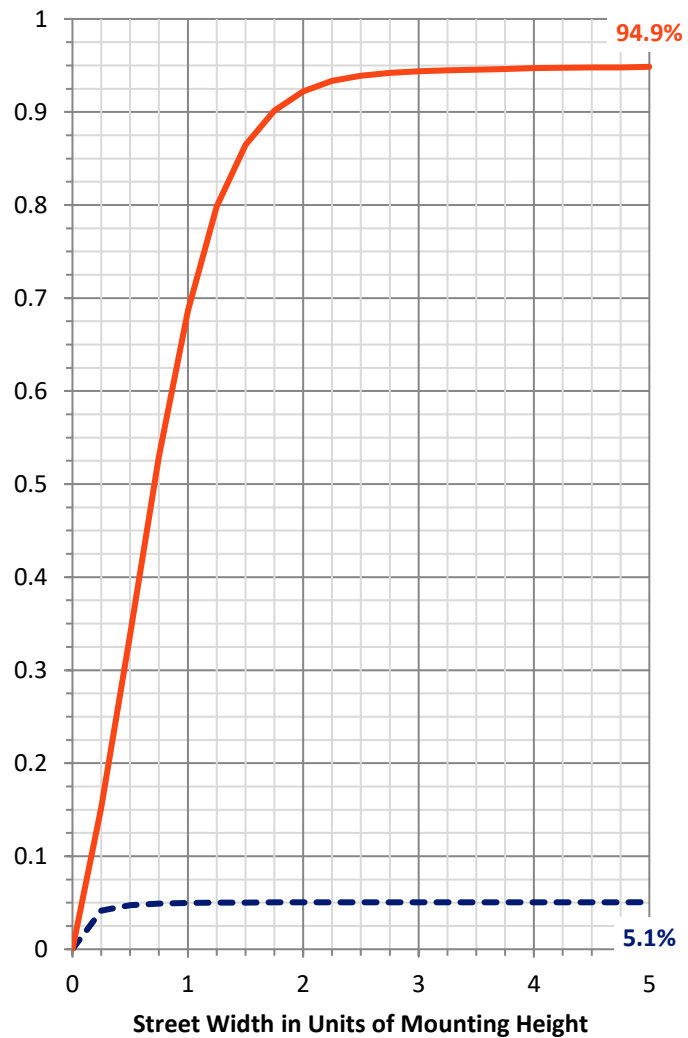
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	148.5	0.0	148.5
	% Fixture	5.1	0.0	5.1
Street Side	Lumens	2769.8	0.0	2769.8
	% Fixture	94.9	0.0	94.9
Total	Lumens	2918.3	0.0	2918.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.9	1.1
10°-20°	105.8	3.6
20°-30°	211.5	7.2
30°-40°	395.4	13.5
40°-50°	586.0	20.1
50°-60°	670.0	23.0
60°-70°	606.8	20.8
70°-80°	299.6	10.3
80°-90°	10.1	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°	2918.3	100.0
0°-180°	2918.3	100.0

Coefficient of Utilization



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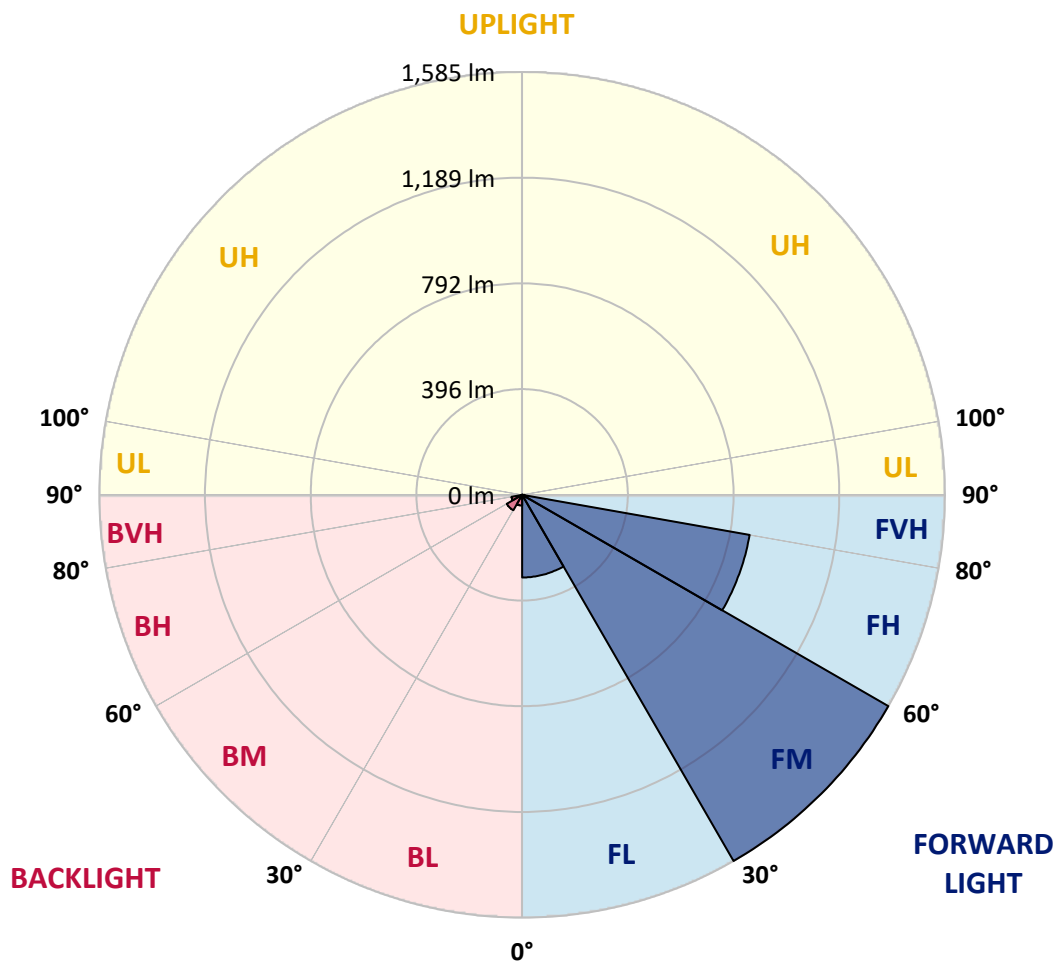
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	309.8	10.6			
FM	(30°-60°)	1584.7	54.3			
FH	(60°-80°)	865.8	29.7			G1/1800
FVH	(80°-90°)	9.5	0.3			G0/10
BL	(0°-30°)	40.4	1.4	B0/110		
BM	(30°-60°)	66.7	2.3	B0/220		
BH	(60°-80°)	40.7	1.4	B0/110		G0/110
BVH	(80°-90°)	0.6	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°	347.7	347.7	347.7	347.7	347.7	347.7	347.7	347.7	347.7	347.7	347.7
2.5°	476.8	473.7	470.6	470.6	461.2	442.4	431.4	412.6	389.9	385.2	364.9
5°	545.7	548.8	544.9	537.1	528.4	513.6	492.5	461.2	429.1	426.7	379.0
7.5°	580.9	582.5	580.1	580.9	576.2	560.5	544.1	510.5	469.0	465.1	400.1
10°	610.7	612.2	609.9	611.4	604.4	601.3	586.4	555.1	510.5	505.8	424.4
12.5°	648.2	647.5	646.7	649.8	641.2	635.7	626.3	598.1	551.2	542.5	453.4
15°	671.0	672.5	671.0	679.6	681.9	676.4	662.3	640.4	591.9	586.4	482.3
17.5°	686.6	686.6	693.7	707.8	714.0	716.4	712.5	683.5	638.8	631.0	517.6
20°	703.1	707.8	714.0	730.5	742.2	754.0	760.2	744.6	687.4	680.3	551.9
22.5°	747.7	749.3	750.0	765.7	776.7	792.3	799.4	800.1	738.3	732.0	587.2
25°	880.8	869.8	847.1	828.3	833.0	836.9	836.9	859.7	800.1	788.4	624.8
27.5°	1062.5	1056.2	1027.2	981.0	903.5	897.2	889.4	923.1	856.5	841.6	658.4
30°	1232.4	1230.8	1190.1	1136.1	1054.6	973.2	943.4	979.5	930.9	908.2	692.1
32.5°	1345.9	1348.2	1327.1	1283.3	1210.4	1101.6	1004.5	1033.5	1006.1	990.4	733.6
35°	1420.3	1420.3	1403.8	1379.6	1329.5	1241.0	1095.3	1100.8	1104.7	1088.3	790.0
37.5°	1470.4	1464.9	1447.7	1433.6	1410.1	1361.6	1229.2	1172.9	1206.5	1174.4	851.8
40°	1506.4	1497.0	1485.3	1468.0	1458.7	1450.8	1363.1	1254.3	1310.7	1279.3	918.4
42.5°	1523.6	1522.1	1508.0	1496.2	1491.5	1515.8	1483.7	1351.4	1410.1	1386.6	985.7
45°	1526.8	1527.6	1523.6	1508.0	1510.3	1559.7	1572.9	1462.6	1519.7	1492.3	1064.0
47.5°	1503.3	1503.3	1514.2	1516.6	1519.7	1577.6	1659.0	1588.6	1629.3	1598.7	1142.3
50°	1403.1	1415.6	1454.0	1487.6	1499.4	1587.8	1717.0	1700.5	1744.4	1710.7	1236.3
52.5°	1133.7	1152.5	1280.1	1395.2	1472.7	1580.7	1751.4	1812.5	1883.0	1854.0	1334.2
55°	858.1	876.1	976.3	1209.7	1386.6	1558.9	1767.9	1882.2	1996.5	1969.1	1423.4
57.5°	726.5	719.5	778.2	966.1	1222.2	1496.2	1783.5	1934.6	2121.0	2089.7	1520.5
60°	617.7	607.5	645.1	750.8	979.5	1374.1	1795.3	1967.5	2250.2	2216.5	1632.4
62.5°	470.6	475.3	510.5	604.4	787.6	1165.0	1771.0	1991.8	2403.7	2370.8	1750.6
65°	284.2	305.4	364.9	458.8	619.3	935.6	1662.9	1998.8	2550.9	2521.1	1873.6
67.5°	139.4	150.3	191.8	285.8	450.2	741.4	1435.9	1965.2	2698.0	2683.1	1990.2
70°	81.4	80.6	96.3	137.8	262.3	512.1	1128.2	1839.9	2758.3	2740.3	2015.3
72.5°	60.3	63.4	71.3	82.2	128.4	326.5	816.6	1615.2	2580.6	2546.9	1791.3
75°	42.3	43.8	54.8	62.6	76.0	163.6	514.4	1180.7	1996.5	1945.6	1198.7
77.5°	32.1	33.7	39.2	51.7	59.5	79.9	186.4	639.6	1002.2	958.3	483.9
80°	14.9	15.7	24.3	33.7	43.1	47.0	50.1	192.6	224.7	197.3	72.8
82.5°	9.4	11.0	14.1	25.1	30.5	21.1	20.4	42.3	37.6	34.5	17.2
85°	0.8	0.8	6.3	9.4	6.3	3.1	10.2	10.2	11.7	12.5	6.3
87.5°	0.0	0.0	0.0	0.8	1.6	1.6	2.3	2.3	2.3	2.3	2.3
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°	347.7	347.7	347.7	347.7	347.7	347.7	347.7	347.7	347.7	347.7	347.7
2.5°	351.6	338.3	313.2	288.9	267.8	245.9	230.2	225.5	216.9	210.6	215.3
5°	354.7	329.6	278.0	234.1	196.5	170.7	152.7	138.6	125.3	120.6	122.9
7.5°	362.5	322.6	247.4	191.8	148.0	115.9	97.1	86.1	79.1	76.0	74.4
10°	375.1	321.0	223.2	155.8	107.3	79.9	68.1	63.4	61.9	61.1	61.1
12.5°	386.8	314.8	197.3	121.4	79.9	63.4	58.7	56.4	55.6	54.8	54.0
15°	402.5	313.2	175.4	94.7	64.2	57.2	52.5	50.1	48.5	47.8	47.8
17.5°	415.0	310.9	151.1	75.2	57.9	51.7	47.0	43.8	42.3	41.5	40.7
20°	434.6	310.9	130.0	64.2	53.2	47.0	41.5	38.4	36.0	34.5	34.5
22.5°	455.7	313.2	108.1	57.9	49.3	41.5	36.0	32.1	29.8	29.0	28.2
25°	478.4	312.4	89.3	52.5	43.8	36.0	30.5	26.6	25.1	24.3	24.3
27.5°	497.2	307.7	72.8	47.8	38.4	30.5	25.1	21.9	21.1	20.4	20.4
30°	518.3	303.0	59.5	42.3	32.9	25.8	21.1	18.8	17.2	17.2	17.2
32.5°	544.9	299.9	50.9	36.8	28.2	21.9	18.0	15.7	15.7	14.9	14.9
35°	581.7	296.0	45.4	32.1	23.5	18.0	14.9	13.3	12.5	13.3	13.3
37.5°	625.5	290.5	40.7	28.2	20.4	15.7	12.5	11.7	11.7	11.7	11.7
40°	671.7	289.7	36.0	24.3	17.2	12.5	11.0	9.4	9.4	10.2	11.0
42.5°	727.3	286.6	32.9	21.9	14.9	11.0	8.6	7.8	8.6	9.4	9.4
45°	778.2	280.3	29.8	18.8	13.3	9.4	7.8	7.0	7.0	7.8	8.6
47.5°	840.9	277.2	27.4	16.4	11.0	7.8	6.3	5.5	5.5	6.3	7.0
50°	916.0	278.7	24.3	14.1	9.4	7.0	5.5	3.9	4.7	5.5	5.5
52.5°	983.4	276.4	21.9	11.7	7.8	5.5	3.9	3.1	3.1	4.7	4.7
55°	1044.4	274.0	18.8	10.2	6.3	4.7	3.1	2.3	2.3	3.9	3.9
57.5°	1109.4	267.0	16.4	8.6	5.5	3.9	2.3	1.6	2.3	3.1	3.1
60°	1186.2	256.0	14.1	7.0	4.7	3.9	1.6	1.6	1.6	2.3	2.3
62.5°	1260.6	242.7	12.5	7.0	3.9	3.1	1.6	0.8	0.8	1.6	1.6
65°	1345.9	219.2	11.0	6.3	3.9	2.3	1.6	0.8	0.8	0.8	0.8
67.5°	1370.2	185.6	10.2	4.7	3.1	2.3	1.6	0.8	0.0	0.8	0.8
70°	1291.1	139.4	9.4	3.9	2.3	1.6	0.8	0.8	0.0	0.8	0.8
72.5°	1031.9	86.1	7.8	3.1	2.3	1.6	0.8	0.0	0.0	0.0	0.8
75°	638.1	37.6	5.5	2.3	1.6	1.6	0.8	0.0	0.0	0.0	0.0
77.5°	237.2	19.6	3.9	2.3	1.6	0.8	0.8	0.0	0.0	0.0	0.0
80°	33.7	8.6	2.3	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.0
82.5°	8.6	3.9	1.6	1.6	0.8	0.8	0.8	0.0	0.0	0.0	0.0
85°	3.9	2.3	1.6	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.0
87.5°	2.3	2.3	2.3	1.6	1.6	0.8	0.8	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)