

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: P511239

Luminaire Tested: **PRV-P-PA1C-8540-U-T2R-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511239
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-PA1C-8540-U-T2R-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 930mA 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: 6150.4 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - 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: 28.75 FT

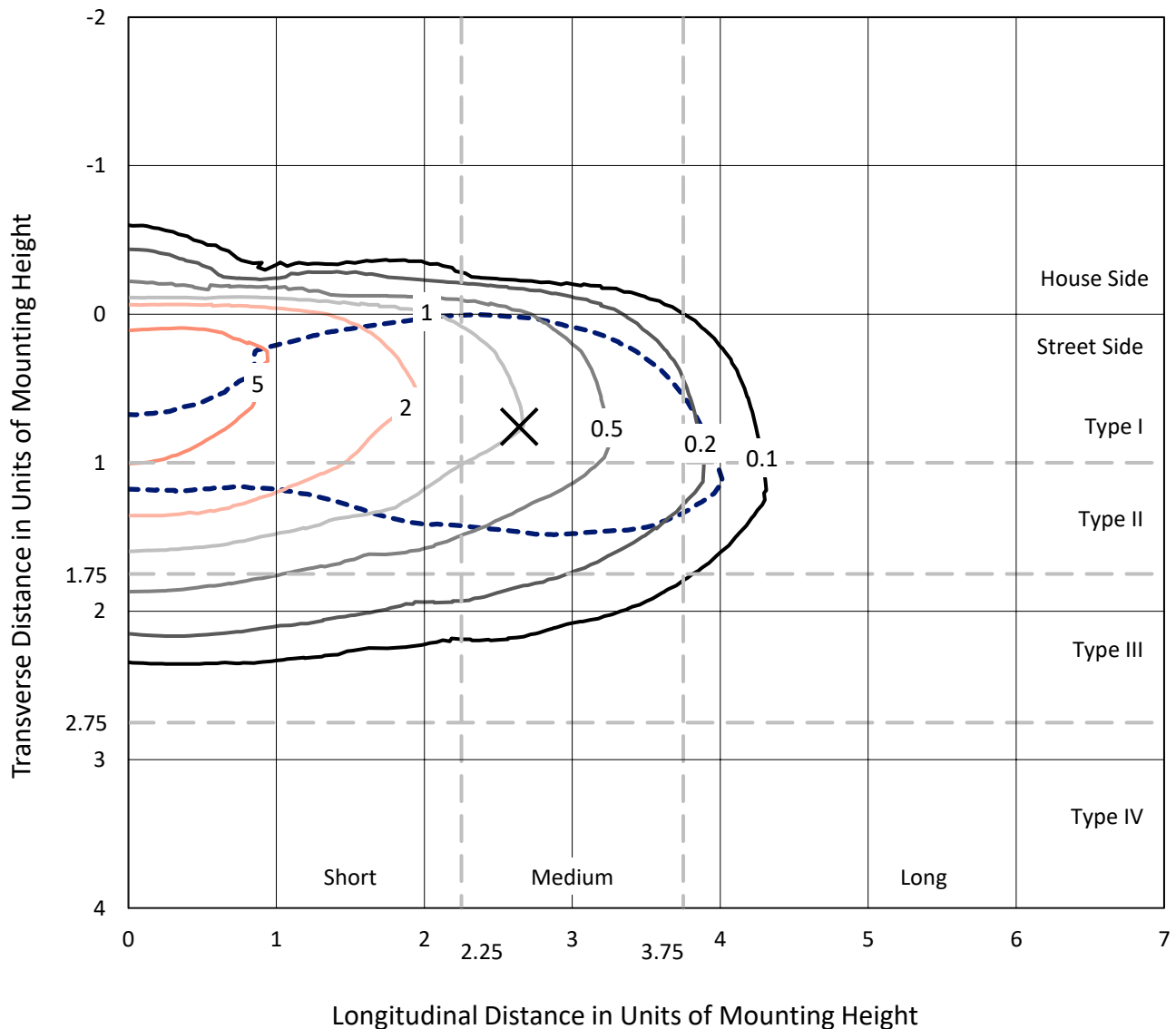


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

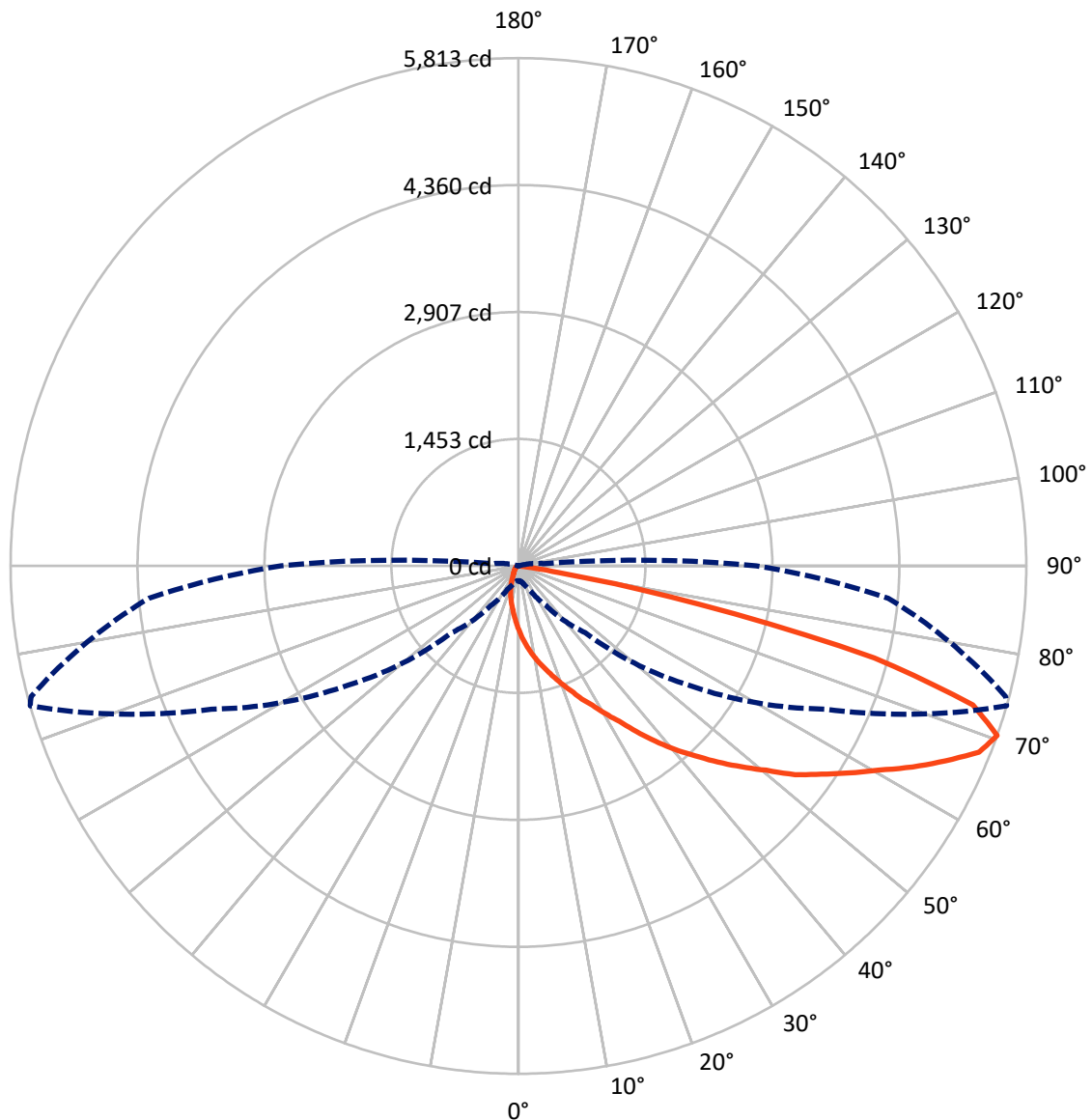


Based on 15 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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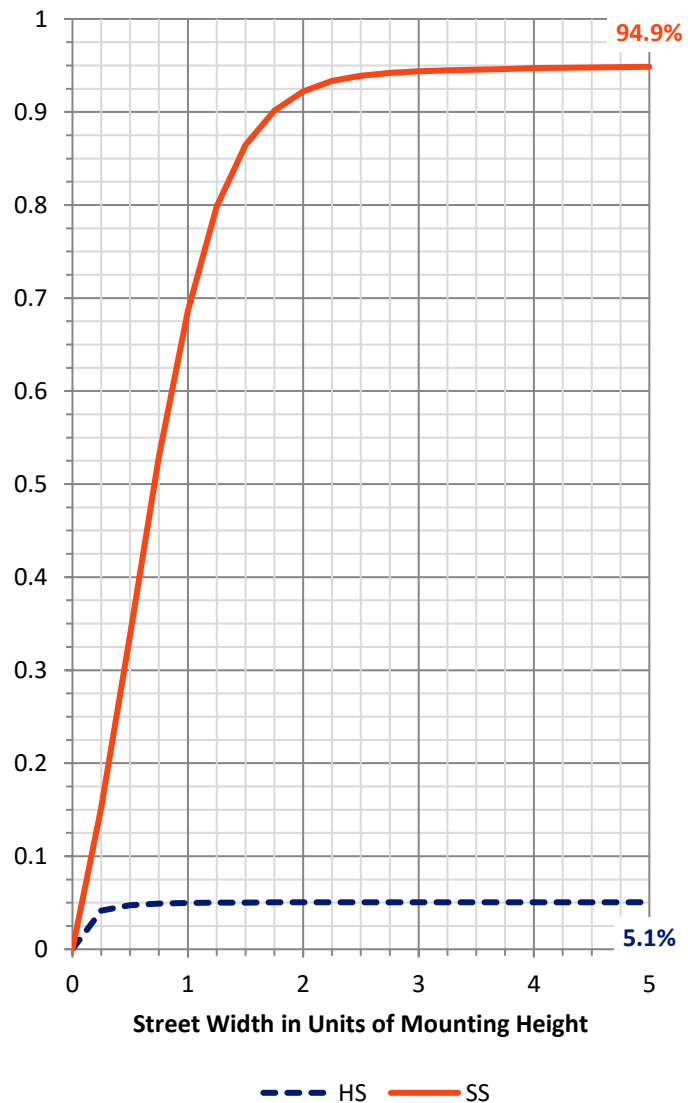
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	312.9	0.0	312.9
	% Fixture	5.1	0.0	5.1
Street Side	Lumens	5837.5	0.0	5837.5
	% Fixture	94.9	0.0	94.9
Total	Lumens	6150.4	0.0	6150.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	1.1
10°-20°	222.9	3.6
20°-30°	445.9	7.2
30°-40°	833.4	13.5
40°-50°	1235.0	20.1
50°-60°	1412.2	23.0
60°-70°	1278.9	20.8
70°-80°	631.5	10.3
80°-90°	21.4	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°	6150.4	100.0
0°-180°	6150.4	100.0

Coefficient of Utilization



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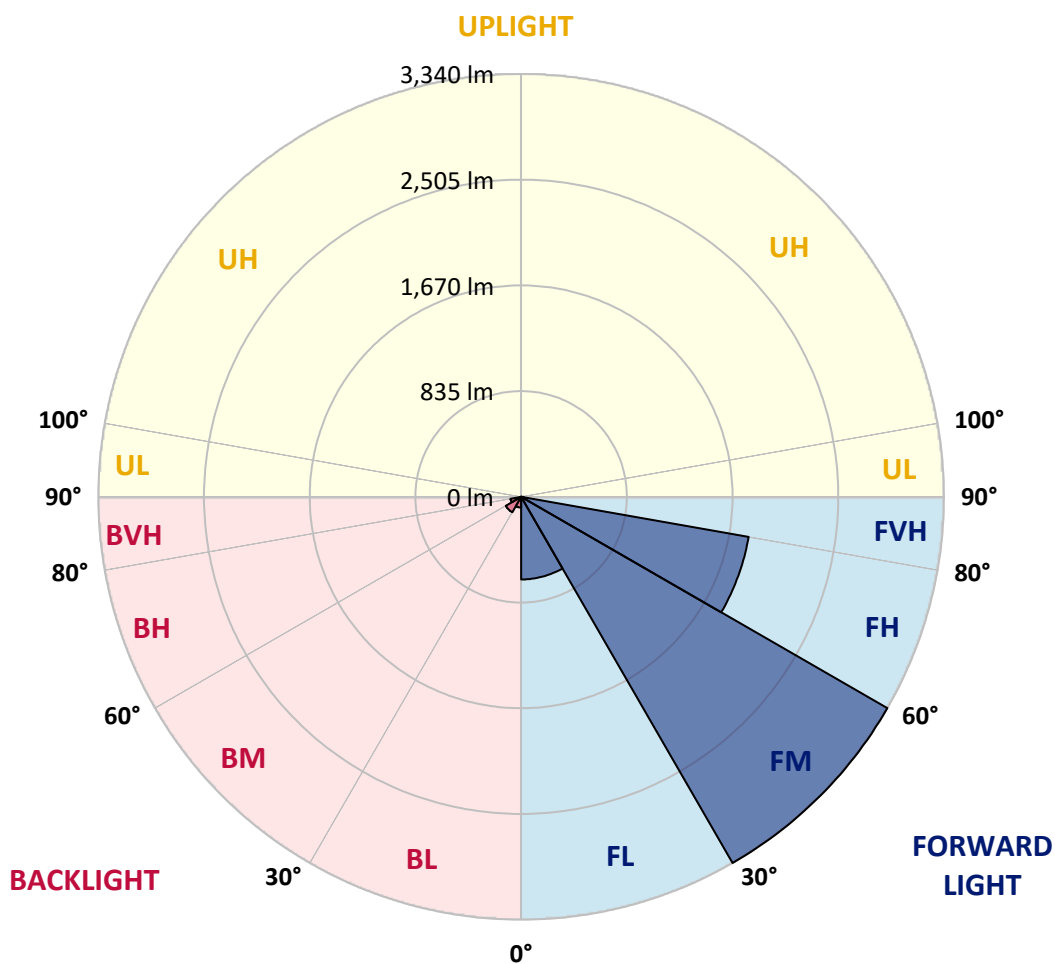
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	652.9	10.6			
FM	(30°-60°)	3339.9	54.3			
FH	(60°-80°)	1824.7	29.7			G2/5000
FVH	(80°-90°)	20.1	0.3			G1/100
BL	(0°-30°)	85.2	1.4	B0/110		
BM	(30°-60°)	140.7	2.3	B0/220		
BH	(60°-80°)	85.7	1.4	B0/110		G0/110
BVH	(80°-90°)	1.3	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-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	732.7	732.7	732.7	732.7	732.7	732.7	732.7	732.7	732.7	732.7	732.7
2.5°	1004.9	998.3	991.7	991.7	971.9	932.3	909.2	869.6	821.8	811.9	769.0
5°	1150.1	1156.7	1148.5	1132.0	1113.8	1082.5	1037.9	971.9	904.3	899.4	798.7
7.5°	1224.4	1227.7	1222.7	1224.4	1214.5	1181.5	1146.9	1075.8	988.5	980.2	843.2
10°	1287.1	1290.4	1285.5	1288.7	1273.9	1267.3	1236.0	1170.0	1075.8	1066.0	894.3
12.5°	1366.3	1364.6	1363.0	1369.6	1351.5	1339.9	1320.1	1260.7	1161.7	1143.6	955.4
15°	1414.2	1417.5	1414.2	1432.3	1437.3	1425.7	1396.0	1349.8	1247.5	1236.0	1016.5
17.5°	1447.1	1447.1	1462.0	1491.7	1504.9	1509.9	1501.6	1440.6	1346.5	1330.0	1090.7
20°	1481.8	1491.7	1504.9	1539.5	1564.3	1589.1	1602.3	1569.3	1448.8	1434.0	1163.3
22.5°	1575.9	1579.2	1580.8	1613.8	1636.9	1669.9	1684.8	1686.4	1556.1	1542.9	1237.6
25°	1856.4	1833.3	1785.4	1745.9	1755.7	1763.9	1763.9	1811.9	1686.4	1661.7	1316.8
27.5°	2239.2	2226.0	2165.0	2067.6	1904.3	1891.0	1874.5	1945.5	1805.2	1773.9	1387.8
30°	2597.3	2594.0	2508.2	2394.3	2222.7	2051.1	1988.4	2064.3	1962.0	1914.1	1458.7
32.5°	2836.6	2841.5	2797.0	2704.6	2551.1	2321.8	2117.1	2178.1	2120.4	2087.4	1546.2
35°	2993.3	2993.3	2958.6	2907.5	2801.9	2615.5	2308.5	2320.1	2328.3	2293.6	1665.0
37.5°	3099.0	3087.4	3051.0	3021.4	2971.9	2869.5	2590.7	2471.9	2542.9	2475.2	1795.3
40°	3174.8	3155.0	3130.3	3093.9	3074.2	3057.7	2872.8	2643.5	2762.3	2696.3	1935.6
42.5°	3211.2	3207.9	3178.1	3153.4	3143.5	3194.6	3127.0	2848.1	2971.9	2922.4	2077.5
45°	3217.7	3219.4	3211.2	3178.1	3183.1	3287.0	3315.1	3082.4	3202.9	3145.2	2242.5
47.5°	3168.3	3168.3	3191.4	3196.3	3202.9	3325.0	3496.6	3348.1	3433.9	3369.6	2407.5
50°	2957.0	2983.4	3064.3	3135.2	3160.0	3346.5	3618.7	3584.0	3676.5	3605.5	2605.5
52.5°	2389.4	2428.9	2698.0	2940.6	3103.9	3331.6	3691.3	3820.0	3968.6	3907.5	2811.8
55°	1808.5	1846.5	2057.7	2549.4	2922.4	3285.4	3726.0	3966.9	4207.8	4150.1	2999.9
57.5°	1531.3	1516.4	1640.2	2036.3	2575.8	3153.4	3758.9	4077.5	4470.1	4404.1	3204.5
60°	1302.0	1280.5	1359.7	1582.4	2064.3	2895.9	3783.7	4146.8	4742.5	4671.5	3440.5
62.5°	991.7	1001.6	1075.8	1273.9	1660.0	2455.4	3732.6	4197.9	5065.9	4996.6	3689.7
65°	599.0	643.5	769.0	967.0	1305.3	1971.9	3504.9	4212.8	5376.1	5313.4	3948.7
67.5°	293.7	316.8	404.3	602.3	948.8	1562.6	3026.3	4141.8	5686.3	5655.0	4194.6
70°	171.6	170.0	203.0	290.4	552.8	1079.2	2377.8	3877.8	5813.4	5775.4	4247.4
72.5°	127.1	133.7	150.2	173.3	270.6	688.1	1721.1	3404.2	5438.8	5367.9	3775.5
75°	89.1	92.4	115.5	132.0	160.0	344.9	1084.1	2488.4	4207.8	4100.6	2526.3
77.5°	67.7	70.9	82.5	108.9	125.4	168.3	392.8	1348.2	2112.1	2019.7	1019.8
80°	31.3	33.0	51.1	70.9	90.7	99.0	105.6	405.9	473.6	415.9	153.5
82.5°	19.8	23.1	29.7	52.8	64.4	44.6	42.9	89.1	79.2	72.6	36.3
85°	1.6	1.6	13.2	19.8	13.2	6.6	21.5	21.5	24.7	26.4	13.2
87.5°	0.0	0.0	0.0	1.6	3.3	3.3	4.9	4.9	4.9	4.9	4.9
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°	732.7	732.7	732.7	732.7	732.7	732.7	732.7	732.7	732.7	732.7	732.7
2.5°	740.9	712.8	660.1	608.9	564.3	518.1	485.1	475.2	457.1	443.9	453.7
5°	747.5	694.7	585.8	493.4	414.2	359.7	321.7	292.1	264.0	254.1	259.1
7.5°	764.0	679.9	521.4	404.3	311.9	244.2	204.6	181.5	166.7	160.0	156.8
10°	790.4	676.5	470.3	328.4	226.1	168.3	143.5	133.7	130.4	128.7	128.7
12.5°	815.2	663.4	415.9	255.8	168.3	133.7	123.8	118.8	117.1	115.5	113.8
15°	848.1	660.1	369.7	199.7	135.3	120.4	110.6	105.6	102.3	100.7	100.7
17.5°	874.5	655.1	318.4	158.4	122.1	108.9	99.0	92.4	89.1	87.5	85.8
20°	915.8	655.1	273.9	135.3	112.2	99.0	87.5	80.9	75.9	72.6	72.6
22.5°	960.3	660.1	227.7	122.1	104.0	87.5	75.9	67.7	62.7	61.1	59.4
25°	1008.2	658.4	188.1	110.6	92.4	75.9	64.4	56.1	52.8	51.1	51.1
27.5°	1047.8	648.5	153.5	100.7	80.9	64.4	52.8	46.2	44.6	42.9	42.9
30°	1092.4	638.6	125.4	89.1	69.3	54.4	44.6	39.6	36.3	36.3	36.3
32.5°	1148.5	632.0	107.3	77.5	59.4	46.2	38.0	33.0	33.0	31.3	31.3
35°	1226.0	623.7	95.7	67.7	49.5	38.0	31.3	28.0	26.4	28.0	28.0
37.5°	1318.4	612.2	85.8	59.4	42.9	33.0	26.4	24.7	24.7	24.7	24.7
40°	1415.8	610.6	75.9	51.1	36.3	26.4	23.1	19.8	19.8	21.5	23.1
42.5°	1533.0	603.9	69.3	46.2	31.3	23.1	18.2	16.5	18.2	19.8	19.8
45°	1640.2	590.8	62.7	39.6	28.0	19.8	16.5	14.9	14.9	16.5	18.2
47.5°	1772.2	584.1	57.8	34.7	23.1	16.5	13.2	11.6	11.6	13.2	14.9
50°	1930.6	587.4	51.1	29.7	19.8	14.9	11.6	8.2	9.9	11.6	11.6
52.5°	2072.5	582.5	46.2	24.7	16.5	11.6	8.2	6.6	6.6	9.9	9.9
55°	2201.2	577.5	39.6	21.5	13.2	9.9	6.6	4.9	4.9	8.2	8.2
57.5°	2338.2	562.7	34.7	18.2	11.6	8.2	4.9	3.3	4.9	6.6	6.6
60°	2500.0	539.6	29.7	14.9	9.9	8.2	3.3	3.3	3.3	4.9	4.9
62.5°	2656.7	511.5	26.4	14.9	8.2	6.6	3.3	1.6	1.6	3.3	3.3
65°	2836.6	462.0	23.1	13.2	8.2	4.9	3.3	1.6	1.6	1.6	1.6
67.5°	2887.7	391.1	21.5	9.9	6.6	4.9	3.3	1.6	0.0	1.6	1.6
70°	2721.1	293.7	19.8	8.2	4.9	3.3	1.6	1.6	0.0	1.6	1.6
72.5°	2174.9	181.5	16.5	6.6	4.9	3.3	1.6	0.0	0.0	0.0	1.6
75°	1344.9	79.2	11.6	4.9	3.3	3.3	1.6	0.0	0.0	0.0	0.0
77.5°	500.0	41.3	8.2	4.9	3.3	1.6	1.6	0.0	0.0	0.0	0.0
80°	70.9	18.2	4.9	3.3	3.3	1.6	1.6	0.0	0.0	0.0	0.0
82.5°	18.2	8.2	3.3	3.3	1.6	1.6	1.6	0.0	0.0	0.0	0.0
85°	8.2	4.9	3.3	3.3	3.3	1.6	1.6	0.0	0.0	0.0	0.0
87.5°	4.9	4.9	4.9	3.3	3.3	1.6	1.6	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)