

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: P511097

Luminaire Tested: **PRV-P-PA1A-8540-U-T2U-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-4)
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-T2U-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2547.1 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
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



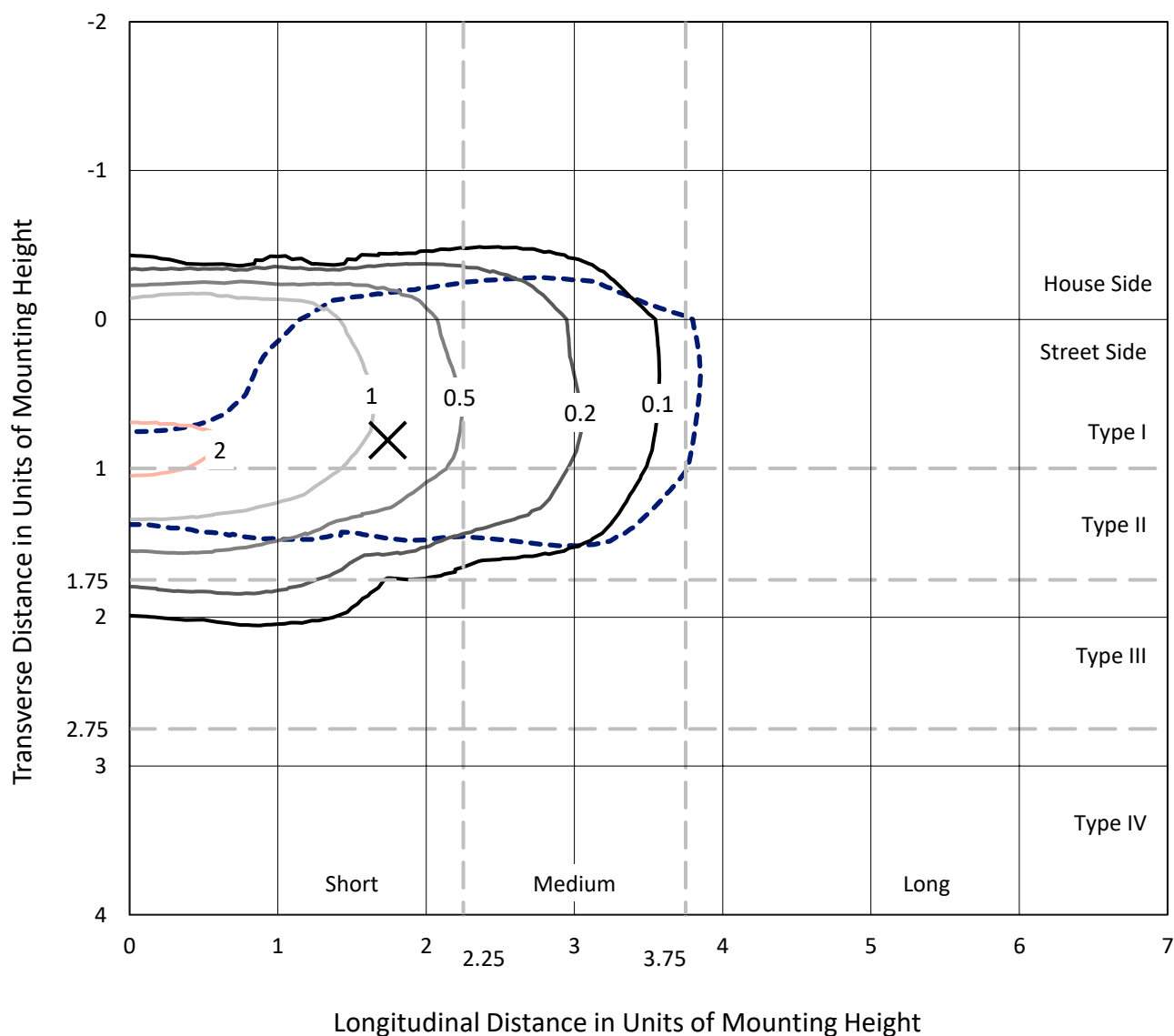
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

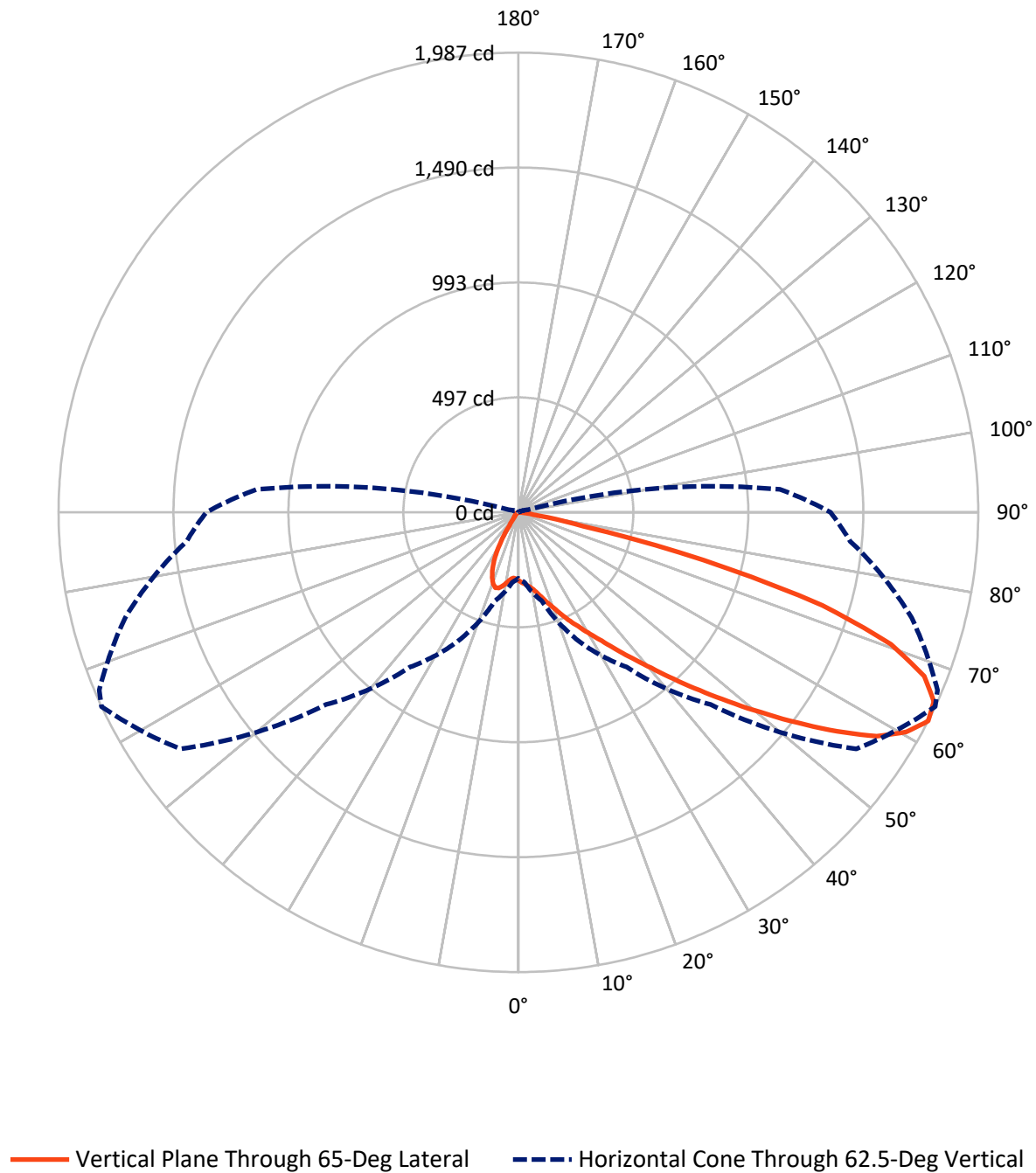


Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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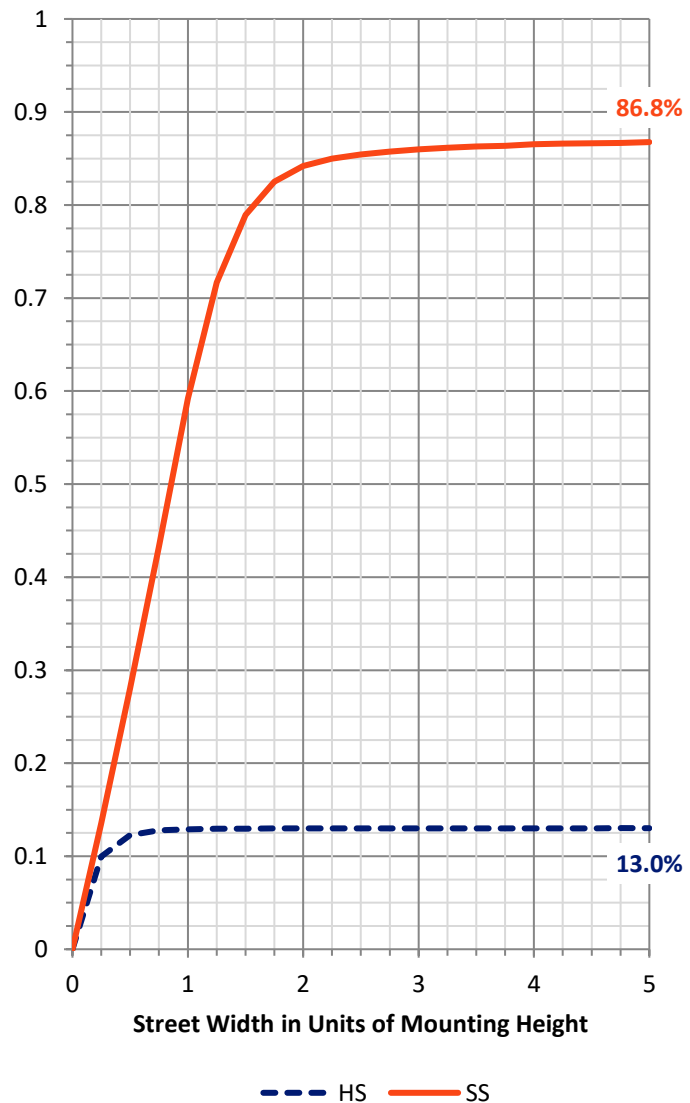
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	335.2	0.0	335.2
	% Fixture	13.2	0.0	13.2
Street Side	Lumens	2211.9	0.0	2211.9
	% Fixture	86.8	0.0	86.8
Total	Lumens	2547.1	0.0	2547.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	1.1
10°-20°	83.6	3.3
20°-30°	149.0	5.9
30°-40°	272.0	10.7
40°-50°	511.2	20.1
50°-60°	677.8	26.6
60°-70°	563.3	22.1
70°-80°	250.2	9.8
80°-90°	11.8	0.5
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°	2547.1	100.0
0°-180°	2547.1	100.0

Coefficient of Utilization



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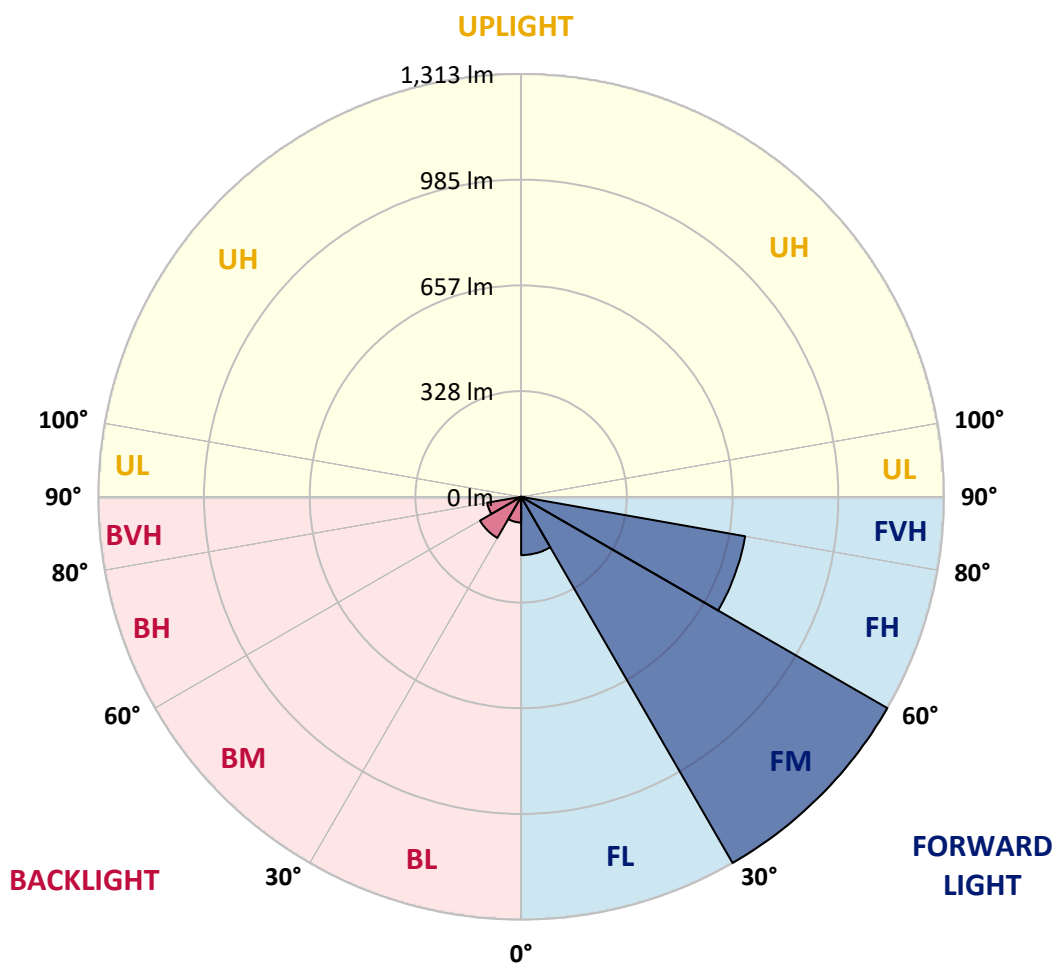
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	181.0	7.1			
FM	(30°-60°)	1313.4	51.6			
FH	(60°-80°)	706.5	27.7			G1/1800
FVH	(80°-90°)	10.9	0.4			G1/100
BL	(0°-30°)	79.8	3.1	B0/110		
BM	(30°-60°)	147.5	5.8	B0/220		
BH	(60°-80°)	107.0	4.2	B0/110		G0/110
BVH	(80°-90°)	0.9	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2
2.5°	306.9	308.5	306.9	309.3	307.7	306.9	306.2	304.6	303.8	300.7	299.1
5°	302.2	302.2	303.8	306.9	307.7	310.9	310.9	311.6	310.1	309.3	305.4
7.5°	298.3	299.1	300.7	304.6	306.9	313.2	317.1	322.6	322.6	320.2	318.7
10°	308.5	309.3	310.9	315.5	317.9	326.5	331.2	335.9	336.7	337.5	336.7
12.5°	324.9	324.9	326.5	330.4	335.9	345.3	351.6	355.5	355.5	357.8	356.3
15°	348.4	347.7	349.2	351.6	354.7	366.4	375.8	382.1	382.1	380.5	375.8
17.5°	372.7	374.3	377.4	377.4	379.0	389.9	402.5	411.9	412.6	408.7	399.3
20°	400.9	402.5	403.2	407.2	405.6	415.8	428.3	443.2	444.7	440.0	423.6
22.5°	425.2	428.3	432.2	436.1	439.3	449.4	459.6	480.0	481.5	476.1	450.2
25°	457.3	454.9	462.0	465.1	471.4	482.3	495.6	520.7	522.3	512.9	481.5
27.5°	487.8	487.8	493.3	502.7	505.8	519.9	534.0	561.4	566.1	555.1	512.9
30°	541.8	545.8	543.4	545.8	542.6	559.1	581.0	610.0	612.3	597.4	549.7
32.5°	664.8	663.3	642.1	608.4	594.3	610.0	635.1	661.7	665.6	654.7	586.5
35°	823.0	830.1	793.3	725.9	668.8	668.8	689.1	726.7	729.1	716.5	639.0
37.5°	1032.1	1027.4	973.3	886.4	780.7	747.1	766.6	800.3	804.2	790.1	700.9
40°	1174.6	1187.1	1158.9	1072.8	940.5	861.4	851.2	884.1	888.8	875.5	769.0
42.5°	1286.5	1290.5	1284.2	1242.7	1131.5	1014.8	956.1	985.1	985.1	963.2	848.9
45°	1366.4	1371.1	1369.5	1356.2	1300.6	1202.8	1094.7	1097.1	1101.8	1067.3	929.5
47.5°	1393.0	1393.0	1416.5	1441.6	1443.1	1409.5	1270.1	1220.0	1213.7	1177.7	1015.6
50°	1321.0	1323.3	1381.3	1474.5	1547.3	1595.0	1466.6	1358.6	1343.7	1299.1	1112.7
52.5°	1122.1	1119.8	1220.0	1407.9	1604.4	1732.1	1627.2	1510.5	1490.1	1400.9	1194.9
55°	902.1	918.5	1021.9	1205.9	1548.1	1800.2	1755.6	1670.2	1627.9	1515.2	1272.5
57.5°	678.9	705.6	850.4	1006.2	1328.8	1751.6	1831.5	1825.3	1784.5	1613.1	1340.6
60°	436.1	460.4	612.3	805.0	1073.6	1553.6	1844.8	1925.6	1905.2	1700.8	1407.1
62.5°	285.0	303.8	397.8	611.5	816.0	1174.6	1782.2	1986.6	1967.1	1758.7	1439.2
65°	167.6	174.6	235.7	418.9	599.0	765.1	1613.8	1972.5	1985.1	1809.6	1459.6
67.5°	120.6	121.4	149.6	232.6	422.8	441.6	1219.2	1891.1	1918.5	1826.8	1452.5
70°	102.6	105.7	125.3	153.5	296.0	231.8	706.3	1707.0	1774.4	1803.3	1434.5
72.5°	79.1	83.8	103.4	131.5	212.2	156.6	267.8	1373.5	1465.1	1627.2	1366.4
75°	50.1	54.8	76.7	104.9	150.3	125.3	108.8	826.1	923.2	1126.8	1093.9
77.5°	29.8	30.5	47.0	75.2	133.1	93.2	63.4	286.6	379.0	548.9	561.4
80°	14.9	16.4	25.8	47.8	82.2	68.9	38.4	86.9	108.8	189.5	131.5
82.5°	8.6	9.4	14.1	26.6	43.1	40.7	21.1	38.4	43.1	51.7	22.7
85°	0.8	1.6	7.0	11.0	14.9	9.4	8.6	15.7	16.4	23.5	7.8
87.5°	0.0	0.0	0.8	0.8	1.6	1.6	2.3	3.1	3.1	3.1	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°	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2	295.2
2.5°	296.0	296.0	291.3	287.4	285.0	281.9	278.0	276.4	274.0	273.3	274.0
5°	303.8	299.9	291.3	284.2	278.0	272.5	267.0	264.7	262.3	262.3	262.3
7.5°	316.3	311.6	301.5	292.8	285.0	280.3	271.7	263.1	255.3	252.9	251.3
10°	334.3	328.9	317.9	308.5	299.1	281.9	257.6	233.3	216.1	207.5	208.3
12.5°	352.4	346.1	335.9	324.9	303.0	261.5	216.9	177.0	151.1	137.8	133.9
15°	372.7	365.7	353.9	337.5	288.9	221.6	158.2	104.9	76.7	67.3	64.2
17.5°	395.4	385.2	373.5	340.6	257.6	162.9	87.7	54.8	46.2	43.8	43.1
20°	415.8	407.2	390.7	326.5	212.2	100.2	49.3	40.7	37.6	36.0	36.0
22.5°	439.3	426.7	407.2	302.2	156.6	56.4	38.4	33.7	30.5	29.8	29.0
25°	463.5	447.9	418.9	269.4	99.4	39.9	32.1	28.2	25.1	23.5	24.3
27.5°	491.7	467.5	423.6	226.3	57.2	33.7	26.6	22.7	20.4	19.6	19.6
30°	513.6	491.7	418.1	177.7	39.2	29.0	21.9	18.0	16.4	15.7	15.7
32.5°	545.8	516.0	403.2	116.7	32.1	24.3	18.0	14.9	13.3	13.3	13.3
35°	589.6	548.1	379.0	69.7	27.4	20.4	14.9	12.5	11.7	11.7	11.7
37.5°	646.1	597.4	357.0	40.7	22.7	16.4	12.5	11.0	10.2	10.2	10.2
40°	707.1	653.1	331.2	29.0	18.8	14.1	11.0	9.4	8.6	8.6	9.4
42.5°	783.9	716.5	295.2	25.1	16.4	11.7	9.4	7.8	7.0	7.8	7.8
45°	854.3	783.9	252.9	21.1	14.1	10.2	7.8	6.3	6.3	7.0	7.0
47.5°	942.0	851.2	198.9	18.8	12.5	8.6	6.3	5.5	5.5	6.3	6.3
50°	1021.9	919.3	146.4	16.4	11.0	7.0	5.5	4.7	4.7	4.7	5.5
52.5°	1102.5	987.4	112.0	14.1	9.4	6.3	4.7	3.9	3.1	3.9	3.9
55°	1177.7	1041.5	85.3	12.5	7.8	5.5	3.9	3.1	2.3	3.1	3.1
57.5°	1248.2	1083.0	69.7	11.0	7.0	4.7	3.1	2.3	2.3	2.3	2.3
60°	1301.4	1115.1	53.2	9.4	6.3	3.9	2.3	1.6	1.6	1.6	1.6
62.5°	1348.4	1134.6	42.3	7.8	5.5	3.1	1.6	1.6	0.8	0.8	0.8
65°	1377.4	1137.8	33.7	7.0	4.7	3.1	1.6	0.8	0.0	0.0	0.0
67.5°	1389.1	1125.2	27.4	5.5	3.9	2.3	1.6	0.8	0.0	0.0	0.0
70°	1384.4	1083.8	21.1	4.7	3.1	1.6	1.6	0.8	0.0	0.0	0.0
72.5°	1323.3	960.8	15.7	3.9	2.3	1.6	0.8	0.8	0.0	0.0	0.0
75°	1035.2	517.6	11.0	3.1	1.6	1.6	0.8	0.8	0.0	0.0	0.0
77.5°	548.1	184.0	7.0	2.3	1.6	0.8	0.8	0.8	0.0	0.0	0.0
80°	98.7	38.4	3.1	1.6	0.8	0.8	0.8	0.8	0.0	0.0	0.0
82.5°	15.7	3.9	1.6	1.6	0.8	0.8	0.8	0.8	0.0	0.0	0.0
85°	5.5	2.3	1.6	1.6	0.8	0.8	0.8	0.8	0.0	0.0	0.0
87.5°	1.6	1.6	1.6	1.6	0.8	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)