

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: P510900

Luminaire Tested: **PRV-P-C10-D-UNV-T3-7050**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-4)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-C10-D-UNV-T3-7050
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 600mA LED AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4870 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

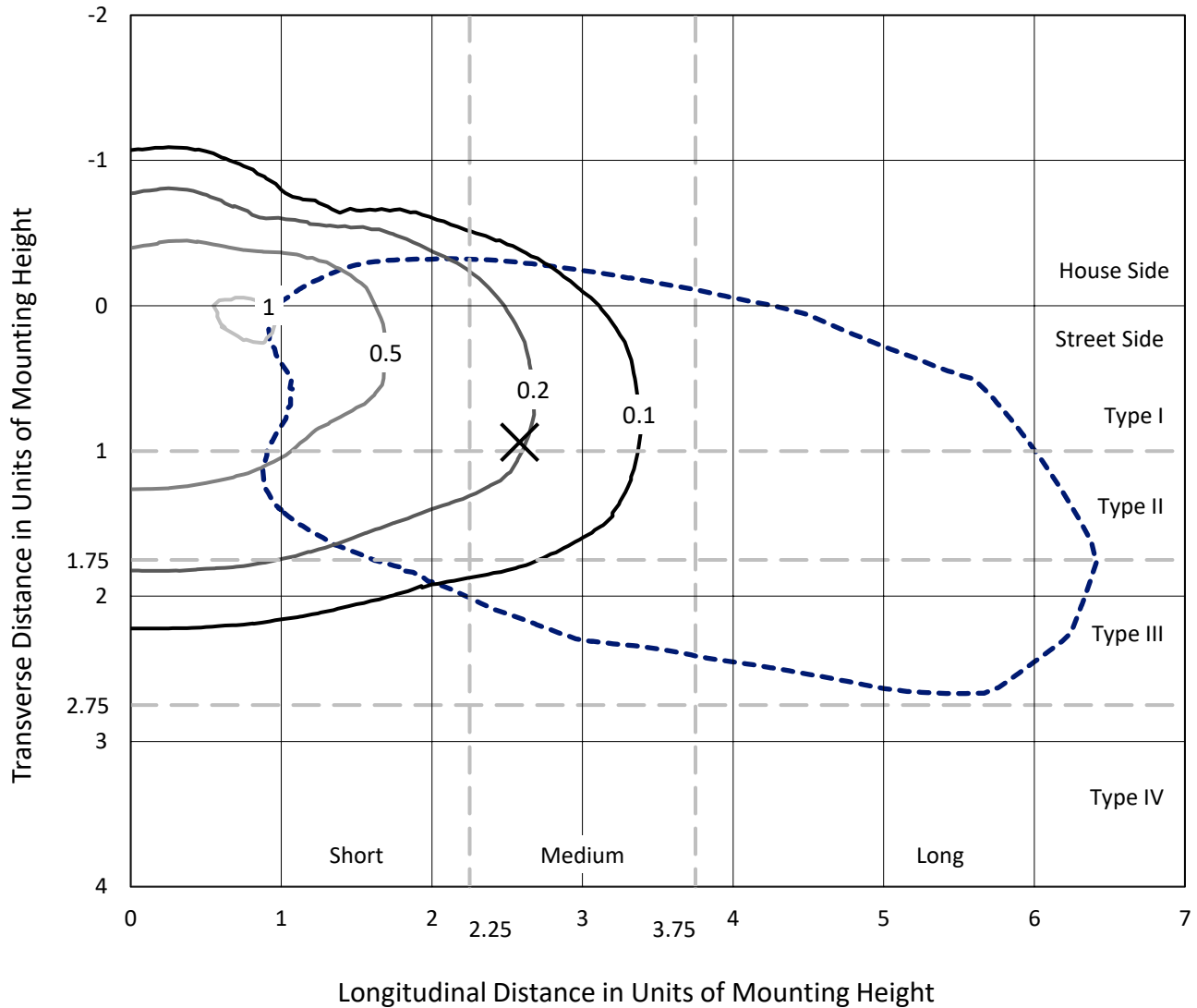
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P510900
 CATALOG NUMBER: PRV-P-C10-D-UNV-T3-7050

Iso-Footcandle Lines of Horizontal Illumination

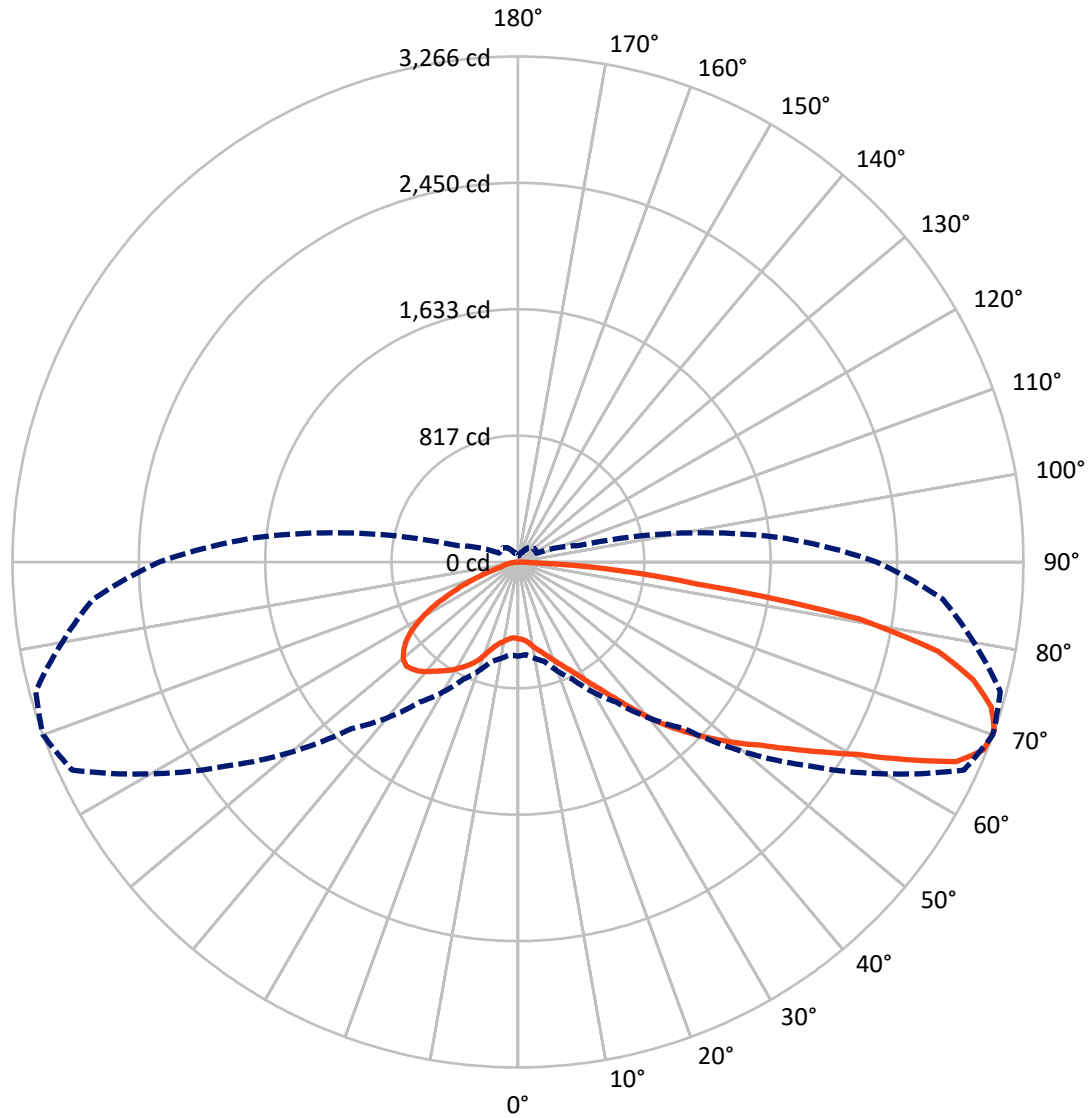
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P510900
CATALOG NUMBER: PRV-P-C10-D-UNV-T3-7050

Luminous Intensity Polar Plot



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

REPORT NUMBER: P510900
 CATALOG NUMBER: PRV-P-C10-D-UNV-T3-7050

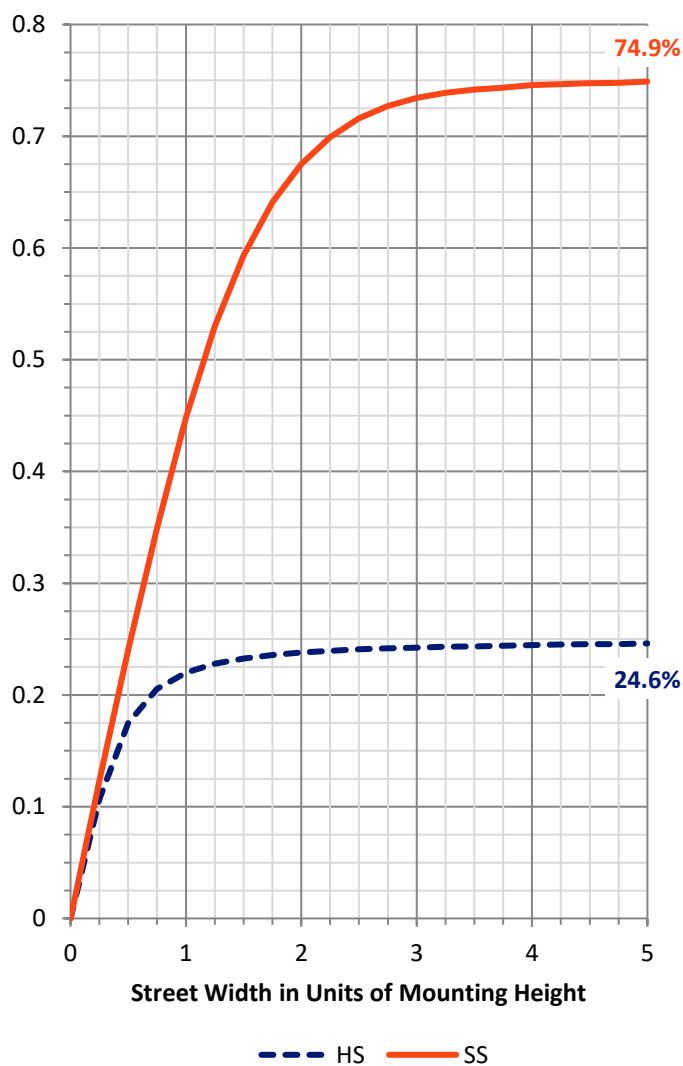
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1215.0	0.0	1215.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	3655.0	0.0	3655.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	4870.0	0.0	4870.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	1.0
10°-20°	159.3	3.3
20°-30°	299.2	6.1
30°-40°	500.5	10.3
40°-50°	764.4	15.7
50°-60°	1008.9	20.7
60°-70°	1141.5	23.4
70°-80°	802.6	16.5
80°-90°	145.1	3.0
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°	4870.0	100.0
0°-180°	4870.0	100.0

Coefficient of Utilization

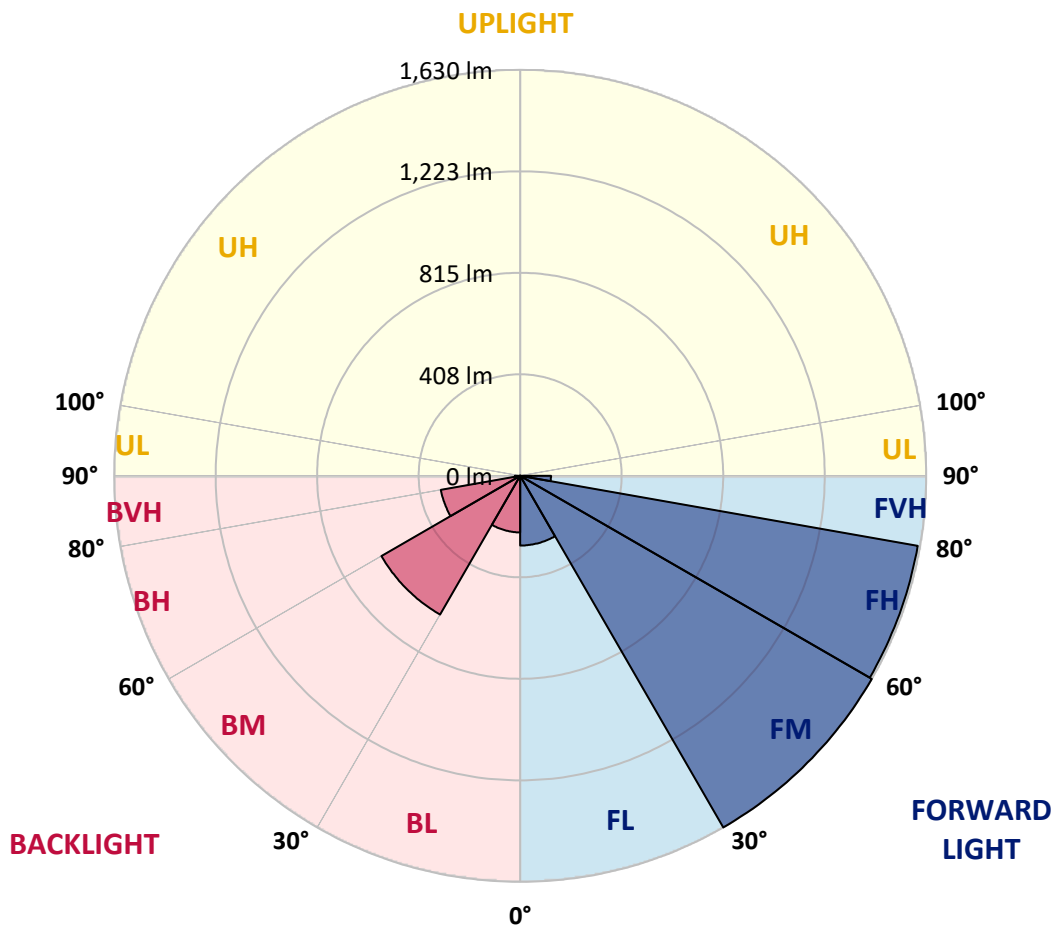


REPORT NUMBER: P510900
 CATALOG NUMBER: PRV-P-C10-D-UNV-T3-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	279.9	5.7			
FM (30°-60°)	1630.4	33.5			
FH (60°-80°)	1620.9	33.3			G1/1800
FVH (80°-90°)	123.8	2.5			G2/225
BL (0°-30°)	227.1	4.7	B1/500		
BM (30°-60°)	643.4	13.2	B1/1000		
BH (60°-80°)	323.1	6.6	B1/500		G1/500
BVH (80°-90°)	21.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





REPORT NUMBER: P510900

CATALOG NUMBER: PRV-P-C10-D-UNV-T3-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	496.0	496.0	496.0	496.0	496.0	496.0	496.0	496.0	496.0	496.0	496.0
2.5°	507.2	510.2	509.2	510.2	510.2	506.2	504.1	500.1	500.1	500.1	498.0
5°	527.6	529.6	526.5	527.6	527.6	523.5	518.4	512.3	510.2	506.2	503.1
7.5°	540.8	544.9	545.9	546.9	546.9	545.9	541.8	534.7	529.6	526.5	519.4
10°	561.2	561.2	564.2	567.3	573.4	573.4	567.3	562.2	559.1	554.0	541.8
12.5°	571.4	573.4	576.4	581.5	588.7	594.8	591.7	587.7	583.6	579.5	565.2
15°	578.5	578.5	583.6	593.8	605.0	610.1	612.1	612.1	610.1	606.0	590.7
17.5°	590.7	590.7	596.8	608.0	617.2	627.4	638.6	642.6	644.7	638.6	625.3
20°	612.1	614.1	617.2	624.3	632.5	648.8	669.1	681.3	682.4	678.3	667.1
22.5°	633.5	632.5	634.5	643.7	656.9	677.3	702.7	722.1	724.1	724.1	715.0
25°	663.0	660.0	658.9	667.1	684.4	708.8	738.4	762.8	771.0	773.0	782.2
27.5°	692.6	696.6	692.6	699.7	713.9	743.5	782.2	817.8	829.0	834.1	873.8
30°	771.0	775.0	759.8	742.5	751.6	785.2	831.1	885.0	900.3	920.7	983.8
32.5°	878.9	877.9	877.9	836.2	800.5	835.1	883.0	949.2	981.8	1031.7	1107.1
35°	976.7	976.7	973.6	942.1	897.3	883.0	942.1	1025.6	1080.6	1178.4	1235.4
37.5°	1062.3	1065.3	1069.4	1034.8	1007.3	969.6	1008.3	1113.2	1199.7	1323.0	1374.9
40°	1137.6	1137.6	1152.9	1129.5	1110.1	1075.5	1078.5	1206.9	1335.2	1466.6	1504.3
42.5°	1196.7	1203.8	1225.2	1206.9	1210.9	1191.6	1165.1	1288.3	1461.5	1590.8	1625.5
45°	1244.6	1248.6	1268.0	1278.2	1305.7	1308.7	1280.2	1386.1	1585.7	1714.1	1735.5
47.5°	1279.2	1280.2	1297.5	1335.2	1390.2	1408.5	1397.3	1485.9	1709.0	1836.3	1840.4
50°	1295.5	1298.5	1334.2	1389.2	1473.7	1515.5	1535.8	1617.3	1838.3	1949.3	1949.3
52.5°	1309.7	1317.9	1363.7	1432.0	1546.0	1616.3	1648.9	1788.4	1966.6	2064.4	2060.3
55°	1318.9	1330.1	1374.9	1458.4	1595.9	1704.9	1756.8	1967.7	2130.6	2198.9	2167.3
57.5°	1261.9	1276.1	1355.6	1460.5	1629.5	1770.1	1875.0	2148.9	2315.0	2351.6	2275.2
60°	1167.2	1179.4	1270.0	1436.0	1622.4	1828.1	2004.3	2358.7	2524.8	2538.0	2390.3
62.5°	1069.4	1082.6	1168.2	1359.6	1574.5	1836.3	2123.5	2648.0	2809.9	2773.3	2518.6
65°	947.2	954.3	1042.9	1221.1	1479.8	1803.7	2216.2	2911.8	3111.4	3068.6	2644.9
67.5°	801.5	806.6	885.0	1052.1	1313.8	1704.9	2283.4	3112.4	3243.8	3191.8	2744.7
70°	609.0	600.9	665.1	836.2	1105.0	1523.6	2298.7	3179.6	3266.2	3226.5	2755.9
72.5°	331.0	331.0	416.5	555.1	800.5	1228.3	2240.6	3147.0	3198.0	3147.0	2653.1
75°	60.1	65.2	98.8	193.5	398.2	822.9	1957.5	2959.6	3038.1	2960.7	2446.3
77.5°	37.7	38.7	50.9	76.4	123.2	307.6	1280.2	2663.3	2776.3	2702.0	2119.4
80°	27.5	27.5	36.7	55.0	87.6	121.2	480.7	2061.4	2238.6	2218.2	1594.9
82.5°	19.4	20.4	26.5	39.7	60.1	84.5	141.6	960.4	1170.2	1198.7	765.9
85°	12.2	13.2	18.3	26.5	39.7	49.9	57.0	403.3	572.4	593.8	331.0
87.5°	6.1	7.1	11.2	17.3	24.4	29.5	27.5	25.5	26.5	29.5	15.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P510900
 CATALOG NUMBER: PRV-P-C10-D-UNV-T3-7050

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	496.0	496.0	496.0	496.0	496.0	496.0	496.0	496.0	496.0	496.0	496.0
2.5°	496.0	495.0	492.9	490.9	488.9	485.8	482.7	478.7	477.7	475.6	474.6
5°	501.1	498.0	494.0	489.9	484.8	478.7	473.6	469.5	467.5	466.5	467.5
7.5°	516.4	511.3	505.2	499.0	489.9	481.7	473.6	468.5	463.4	461.4	461.4
10°	537.7	531.6	522.5	511.3	499.0	488.9	478.7	469.5	462.4	459.3	459.3
12.5°	560.2	553.0	541.8	526.5	512.3	497.0	484.8	471.5	461.4	455.3	455.3
15°	585.6	578.5	562.2	547.9	532.7	515.3	496.0	475.6	459.3	448.1	447.1
17.5°	617.2	611.1	595.8	582.6	563.2	538.8	508.2	474.6	448.1	430.8	429.8
20°	663.0	655.9	642.6	625.3	594.8	556.1	511.3	468.5	432.8	409.4	408.4
22.5°	716.0	721.1	705.8	663.0	616.2	566.3	512.3	458.3	410.4	384.0	381.9
25°	793.4	799.5	755.7	692.6	631.4	563.2	502.1	440.0	379.9	351.4	349.3
27.5°	885.0	867.7	800.5	716.0	632.5	556.1	485.8	404.3	346.3	314.7	310.6
30°	981.8	954.3	849.4	732.3	623.3	540.8	447.1	363.6	320.8	293.3	288.2
32.5°	1086.7	1048.0	902.4	745.5	610.1	510.2	404.3	348.3	308.6	276.0	272.9
35°	1212.0	1147.8	956.3	749.6	588.7	468.5	368.7	339.1	298.4	262.8	257.7
37.5°	1332.1	1252.7	1017.4	748.6	559.1	412.5	351.4	321.8	284.1	256.7	254.6
40°	1455.4	1360.7	1088.7	746.5	521.5	362.6	332.0	302.5	270.9	250.5	247.5
42.5°	1568.4	1459.5	1161.0	739.4	464.4	339.1	312.7	288.2	260.7	231.2	226.1
45°	1668.2	1552.1	1215.0	726.2	403.3	315.7	290.3	269.9	246.5	214.9	209.8
47.5°	1766.0	1634.6	1273.1	698.7	343.2	294.3	266.8	249.5	226.1	197.6	191.5
50°	1852.6	1708.0	1305.7	640.6	304.5	271.9	240.4	223.0	195.5	168.0	166.0
52.5°	1944.2	1811.8	1336.2	539.8	263.8	245.4	213.9	191.5	168.0	153.8	148.7
55°	2039.0	1917.8	1365.8	414.5	229.2	223.0	185.4	158.9	134.4	127.3	130.4
57.5°	2131.6	1997.2	1353.5	291.3	207.8	194.5	155.8	128.3	109.0	110.0	116.1
60°	2233.5	2059.3	1268.0	198.6	188.4	158.9	130.4	110.0	95.7	90.6	89.6
62.5°	2327.2	2097.0	1084.7	169.1	167.0	139.5	118.1	99.8	88.6	78.4	75.4
65°	2398.5	2080.7	851.4	153.8	150.7	133.4	113.0	94.7	82.5	67.2	64.2
67.5°	2405.6	1965.6	627.4	140.5	140.5	133.4	113.0	89.6	60.1	51.9	51.9
70°	2318.0	1739.5	409.4	134.4	135.5	131.4	109.0	72.3	56.0	39.7	37.7
72.5°	2154.0	1489.0	202.7	122.2	131.4	116.1	98.8	74.3	53.0	36.7	34.6
75°	1879.1	1168.2	104.9	112.0	109.0	101.8	98.8	75.4	49.9	29.5	26.5
77.5°	1529.7	702.7	87.6	100.8	87.6	94.7	88.6	71.3	46.8	28.5	26.5
80°	843.3	276.0	70.3	68.2	72.3	75.4	81.5	68.2	50.9	32.6	30.6
82.5°	340.2	61.1	38.7	45.8	49.9	63.1	73.3	66.2	48.9	32.6	31.6
85°	88.6	18.3	17.3	24.4	36.7	51.9	62.1	50.9	35.6	28.5	27.5
87.5°	6.1	6.1	8.1	12.2	12.2	6.1	1.0	1.0	1.0	1.0	2.0
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)