

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: P510898

Luminaire Tested: **PRV-P-C10-D-UNV-T3-7030**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510898
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-T3-7030
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 600mA LED AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4695 lumens
Efficiency: N/A
Efficacy: 135.7 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

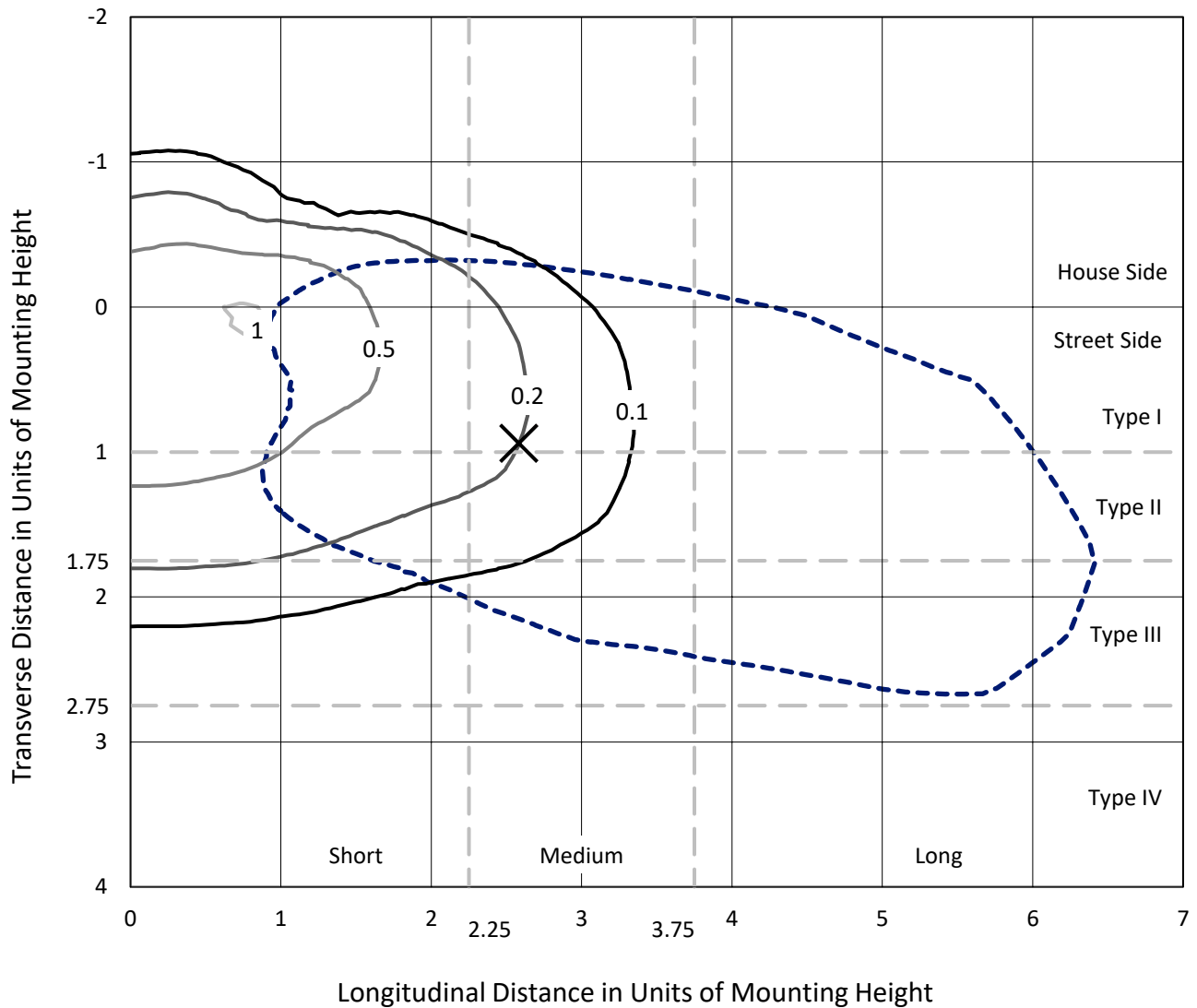
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

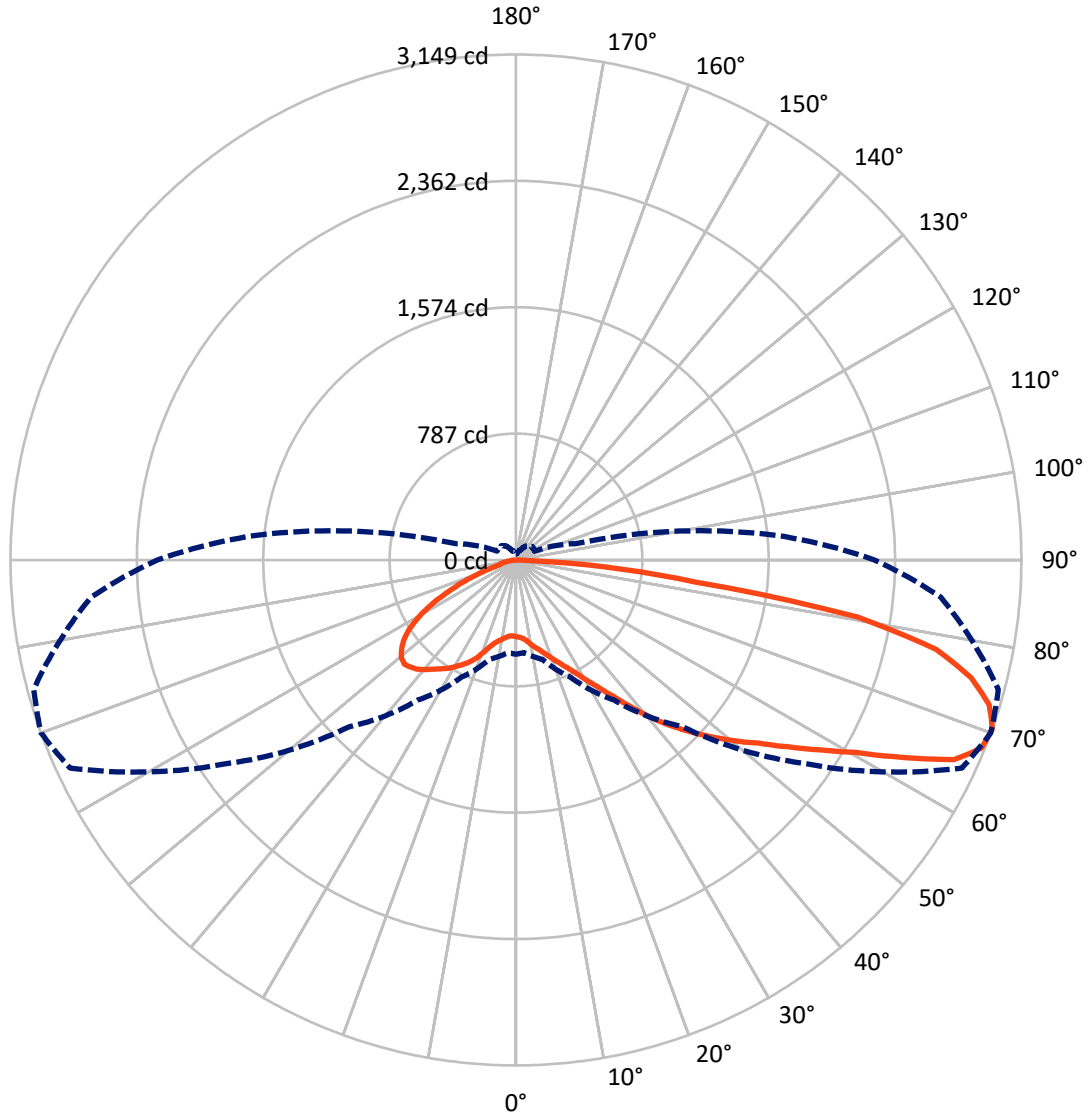
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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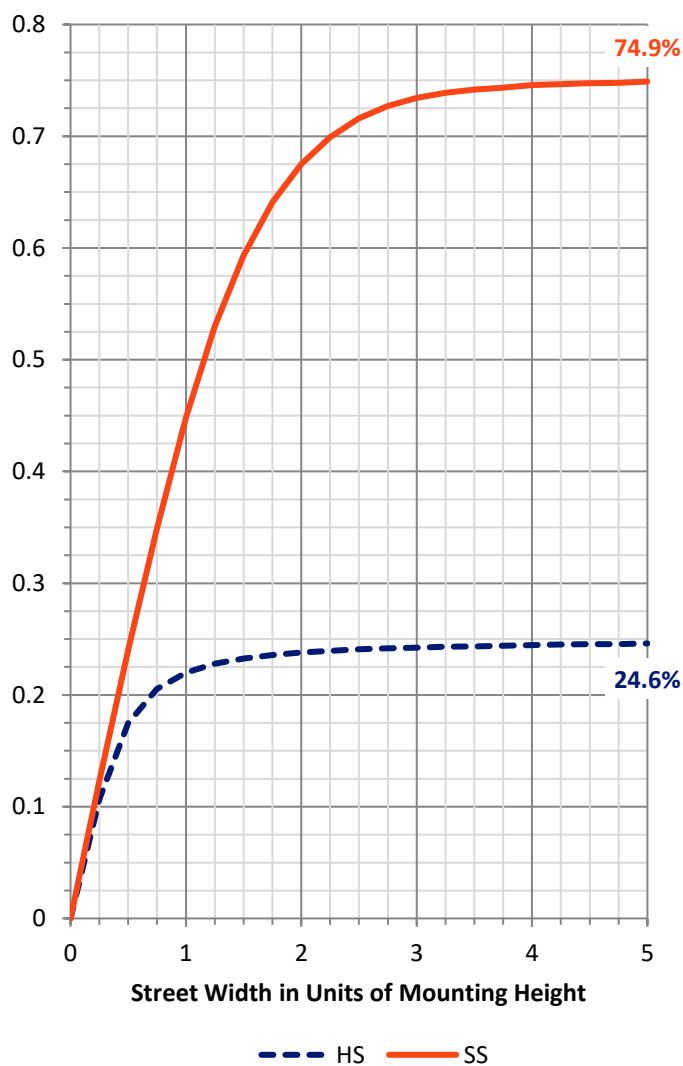
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1171.3	0.0	1171.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	3523.7	0.0	3523.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	4695.0	0.0	4695.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.9	1.0
10°-20°	153.5	3.3
20°-30°	288.4	6.1
30°-40°	482.5	10.3
40°-50°	736.9	15.7
50°-60°	972.6	20.7
60°-70°	1100.5	23.4
70°-80°	773.7	16.5
80°-90°	139.9	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°	4695.0	100.0
0°-180°	4695.0	100.0

Coefficient of Utilization

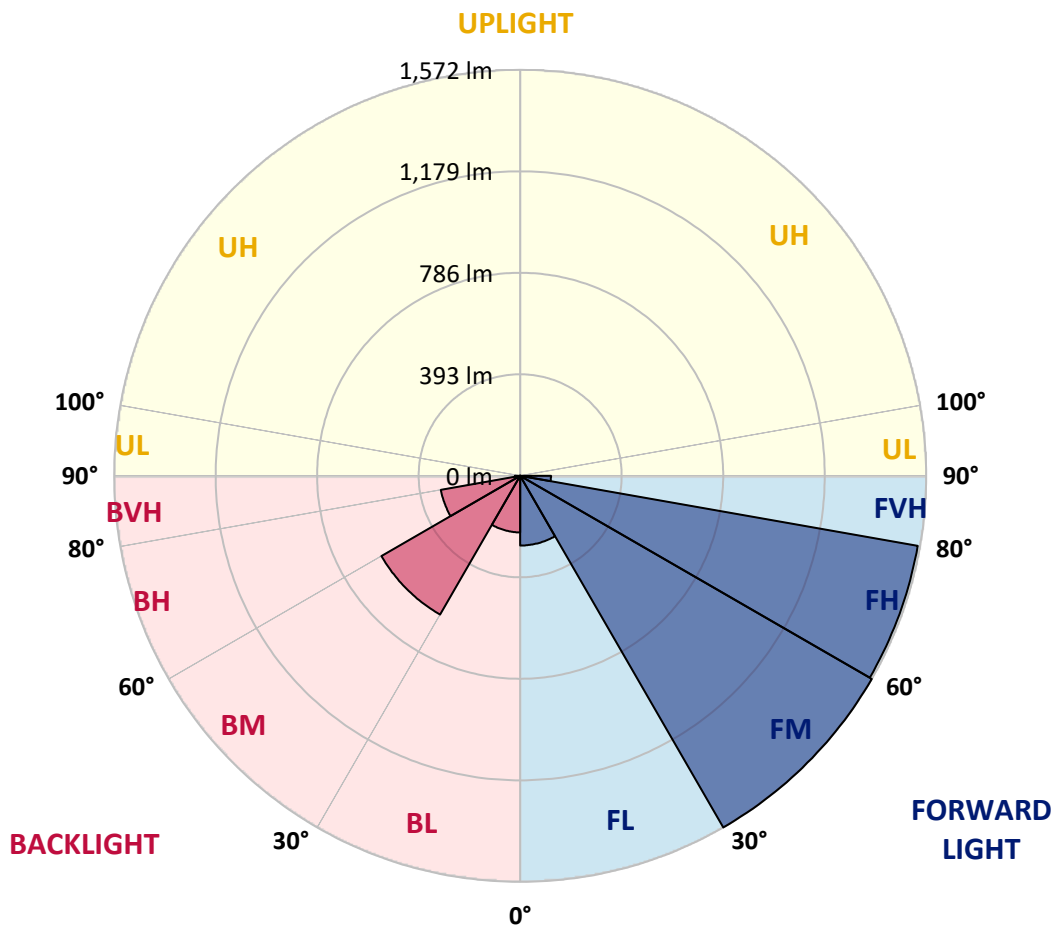


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.9	5.7			
FM (30°-60°)	1571.8	33.5			
FH (60°-80°)	1562.7	33.3			G1/1800
FVH (80°-90°)	119.4	2.5			G2/225
BL (0°-30°)	219.0	4.7	B1/500		
BM (30°-60°)	620.3	13.2	B1/1000		
BH (60°-80°)	311.5	6.6	B1/500		G1/500
BVH (80°-90°)	20.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	478.2	478.2	478.2	478.2	478.2	478.2	478.2	478.2	478.2	478.2	478.2
2.5°	489.0	491.9	490.9	491.9	491.9	488.0	486.0	482.1	482.1	482.1	480.1
5°	508.6	510.6	507.6	508.6	508.6	504.7	499.8	493.9	491.9	488.0	485.0
7.5°	521.4	525.3	526.3	527.3	527.3	526.3	522.3	515.5	510.6	507.6	500.7
10°	541.0	541.0	544.0	546.9	552.8	552.8	546.9	542.0	539.0	534.1	522.3
12.5°	550.8	552.8	555.7	560.6	567.5	573.4	570.5	566.5	562.6	558.7	544.9
15°	557.7	557.7	562.6	572.4	583.2	588.1	590.1	590.1	588.1	584.2	569.5
17.5°	569.5	569.5	575.4	586.2	595.0	604.8	615.6	619.6	621.5	615.6	602.9
20°	590.1	592.1	595.0	601.9	609.7	625.4	645.1	656.9	657.8	653.9	643.1
22.5°	610.7	609.7	611.7	620.5	633.3	652.9	677.5	696.1	698.1	698.1	689.3
25°	639.2	636.2	635.3	643.1	659.8	683.4	711.8	735.4	743.3	745.2	754.1
27.5°	667.7	671.6	667.7	674.5	688.3	716.8	754.1	788.4	799.2	804.1	842.4
30°	743.3	747.2	732.5	715.8	724.6	757.0	801.2	853.2	868.0	887.6	948.5
32.5°	847.3	846.4	846.4	806.1	771.7	805.1	851.3	915.1	946.5	994.6	1067.3
35°	941.6	941.6	938.7	908.2	865.0	851.3	908.2	988.7	1041.8	1136.0	1191.0
37.5°	1024.1	1027.0	1031.0	997.6	971.1	934.7	972.0	1073.2	1156.6	1275.4	1325.5
40°	1096.7	1096.7	1111.5	1088.9	1070.2	1036.8	1039.8	1163.5	1287.2	1413.9	1450.2
42.5°	1153.7	1160.6	1181.2	1163.5	1167.4	1148.8	1123.2	1242.1	1409.0	1533.7	1567.0
45°	1199.8	1203.8	1222.4	1232.2	1258.7	1261.7	1234.2	1336.3	1528.8	1652.5	1673.1
47.5°	1233.2	1234.2	1250.9	1287.2	1340.2	1357.9	1347.1	1432.5	1647.6	1770.3	1774.2
50°	1248.9	1251.9	1286.2	1339.3	1420.8	1461.0	1480.6	1559.2	1772.3	1879.3	1879.3
52.5°	1262.7	1270.5	1314.7	1380.5	1490.5	1558.2	1589.6	1724.1	1896.0	1990.2	1986.3
55°	1271.5	1282.3	1325.5	1406.0	1538.6	1643.6	1693.7	1897.0	2054.1	2119.8	2089.4
57.5°	1216.5	1230.3	1306.9	1408.0	1571.0	1706.5	1807.6	2071.7	2231.8	2267.1	2193.5
60°	1125.2	1137.0	1224.4	1384.4	1564.1	1762.4	1932.3	2274.0	2434.0	2446.8	2304.4
62.5°	1031.0	1043.7	1126.2	1310.8	1518.0	1770.3	2047.2	2552.8	2709.0	2673.6	2428.1
65°	913.1	920.0	1005.4	1177.3	1426.6	1738.9	2136.5	2807.1	2999.6	2958.3	2549.9
67.5°	772.7	777.6	853.2	1014.3	1266.6	1643.6	2201.3	3000.6	3127.2	3077.2	2646.1
70°	587.2	579.3	641.2	806.1	1065.3	1468.9	2216.1	3065.4	3148.8	3110.5	2656.9
72.5°	319.1	319.1	401.6	535.1	771.7	1184.1	2160.1	3033.9	3083.0	3033.9	2557.7
75°	57.9	62.8	95.2	186.6	383.9	793.3	1887.1	2853.3	2928.9	2854.3	2358.4
77.5°	36.3	37.3	49.1	73.6	118.8	296.5	1234.2	2567.6	2676.6	2604.9	2043.3
80°	26.5	26.5	35.3	53.0	84.4	116.8	463.4	1987.3	2158.1	2138.5	1537.6
82.5°	18.7	19.6	25.5	38.3	57.9	81.5	136.5	925.9	1128.2	1155.7	738.4
85°	11.8	12.8	17.7	25.5	38.3	48.1	55.0	388.8	551.8	572.4	319.1
87.5°	5.9	6.9	10.8	16.7	23.6	28.5	26.5	24.5	25.5	28.5	14.7
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°	478.2	478.2	478.2	478.2	478.2	478.2	478.2	478.2	478.2	478.2	478.2
2.5°	478.2	477.2	475.2	473.3	471.3	468.3	465.4	461.5	460.5	458.5	457.5
5°	483.1	480.1	476.2	472.3	467.4	461.5	456.6	452.6	450.7	449.7	450.7
7.5°	497.8	492.9	487.0	481.1	472.3	464.4	456.6	451.7	446.7	444.8	444.8
10°	518.4	512.5	503.7	492.9	481.1	471.3	461.5	452.6	445.8	442.8	442.8
12.5°	540.0	533.2	522.3	507.6	493.9	479.1	467.4	454.6	444.8	438.9	438.9
15°	564.6	557.7	542.0	528.2	513.5	496.8	478.2	458.5	442.8	432.0	431.0
17.5°	595.0	589.1	574.4	561.6	543.0	519.4	489.9	457.5	432.0	415.3	414.3
20°	639.2	632.3	619.6	602.9	573.4	536.1	492.9	451.7	417.3	394.7	393.7
22.5°	690.2	695.2	680.4	639.2	594.0	545.9	493.9	441.8	395.7	370.2	368.2
25°	764.9	770.8	728.5	667.7	608.8	543.0	484.1	424.2	366.2	338.7	336.8
27.5°	853.2	836.5	771.7	690.2	609.7	536.1	468.3	389.8	333.8	303.4	299.5
30°	946.5	920.0	818.9	706.0	600.9	521.4	431.0	350.5	309.3	282.8	277.9
32.5°	1047.6	1010.3	869.9	718.7	588.1	491.9	389.8	335.8	297.5	266.1	263.1
35°	1168.4	1106.6	922.0	722.6	567.5	451.7	355.4	327.0	287.7	253.3	248.4
37.5°	1284.3	1207.7	980.9	721.7	539.0	397.7	338.7	310.3	273.9	247.4	245.5
40°	1403.1	1311.8	1049.6	719.7	502.7	349.5	320.1	291.6	261.2	241.5	238.6
42.5°	1512.1	1407.0	1119.3	712.8	447.7	327.0	301.4	277.9	251.4	222.9	218.0
45°	1608.3	1496.4	1171.4	700.1	388.8	304.4	279.8	260.2	237.6	207.2	202.3
47.5°	1702.5	1575.9	1227.3	673.6	330.9	283.8	257.2	240.6	218.0	190.5	184.6
50°	1786.0	1646.6	1258.7	617.6	293.6	262.2	231.7	215.0	188.5	162.0	160.0
52.5°	1874.4	1746.7	1288.2	520.4	254.3	236.6	206.2	184.6	162.0	148.3	143.4
55°	1965.7	1848.8	1316.7	399.6	220.9	215.0	178.7	153.2	129.6	122.7	125.7
57.5°	2055.0	1925.4	1304.9	280.8	200.3	187.5	150.2	123.7	105.1	106.0	111.9
60°	2153.2	1985.3	1222.4	191.5	181.6	153.2	125.7	106.0	92.3	87.4	86.4
62.5°	2243.6	2021.7	1045.7	163.0	161.0	134.5	113.9	96.2	85.4	75.6	72.7
65°	2312.3	2005.9	820.8	148.3	145.3	128.6	109.0	91.3	79.5	64.8	61.9
67.5°	2319.2	1895.0	604.8	135.5	135.5	128.6	109.0	86.4	57.9	50.1	50.1
70°	2234.7	1677.0	394.7	129.6	130.6	126.7	105.1	69.7	54.0	38.3	36.3
72.5°	2076.6	1435.5	195.4	117.8	126.7	111.9	95.2	71.7	51.1	35.3	33.4
75°	1811.5	1126.2	101.1	108.0	105.1	98.2	95.2	72.7	48.1	28.5	25.5
77.5°	1474.8	677.5	84.4	97.2	84.4	91.3	85.4	68.7	45.2	27.5	25.5
80°	813.0	266.1	67.7	65.8	69.7	72.7	78.5	65.8	49.1	31.4	29.5
82.5°	327.9	58.9	37.3	44.2	48.1	60.9	70.7	63.8	47.1	31.4	30.4
85°	85.4	17.7	16.7	23.6	35.3	50.1	59.9	49.1	34.4	27.5	26.5
87.5°	5.9	5.9	7.9	11.8	11.8	5.9	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)