

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: P511044

Luminaire Tested: **PRV-P-C25-D-UNV-T3-7050**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511044
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-C25-D-UNV-T3-7050
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 1650mA LED AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11749 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

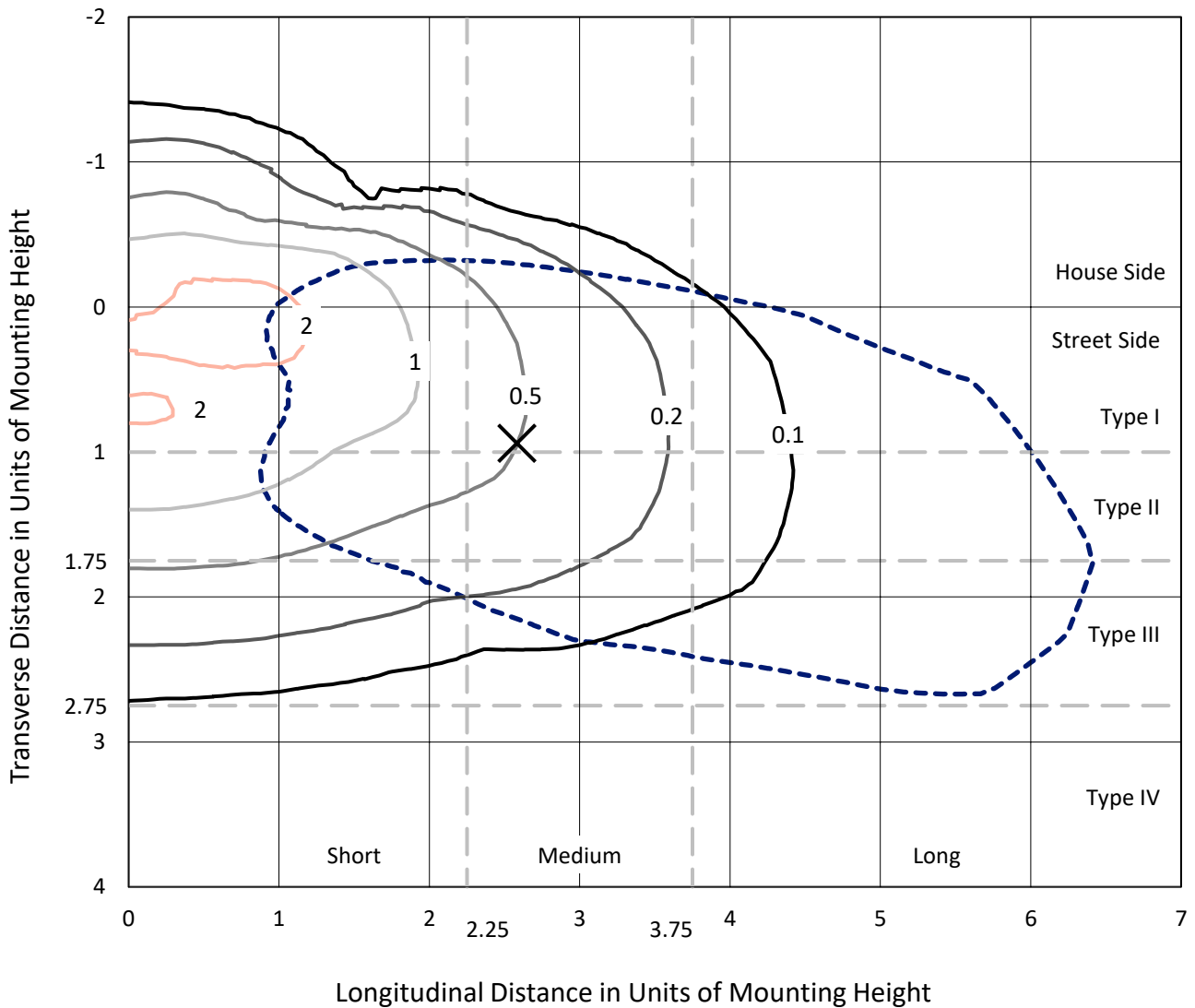
Input Watts (W): 94.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

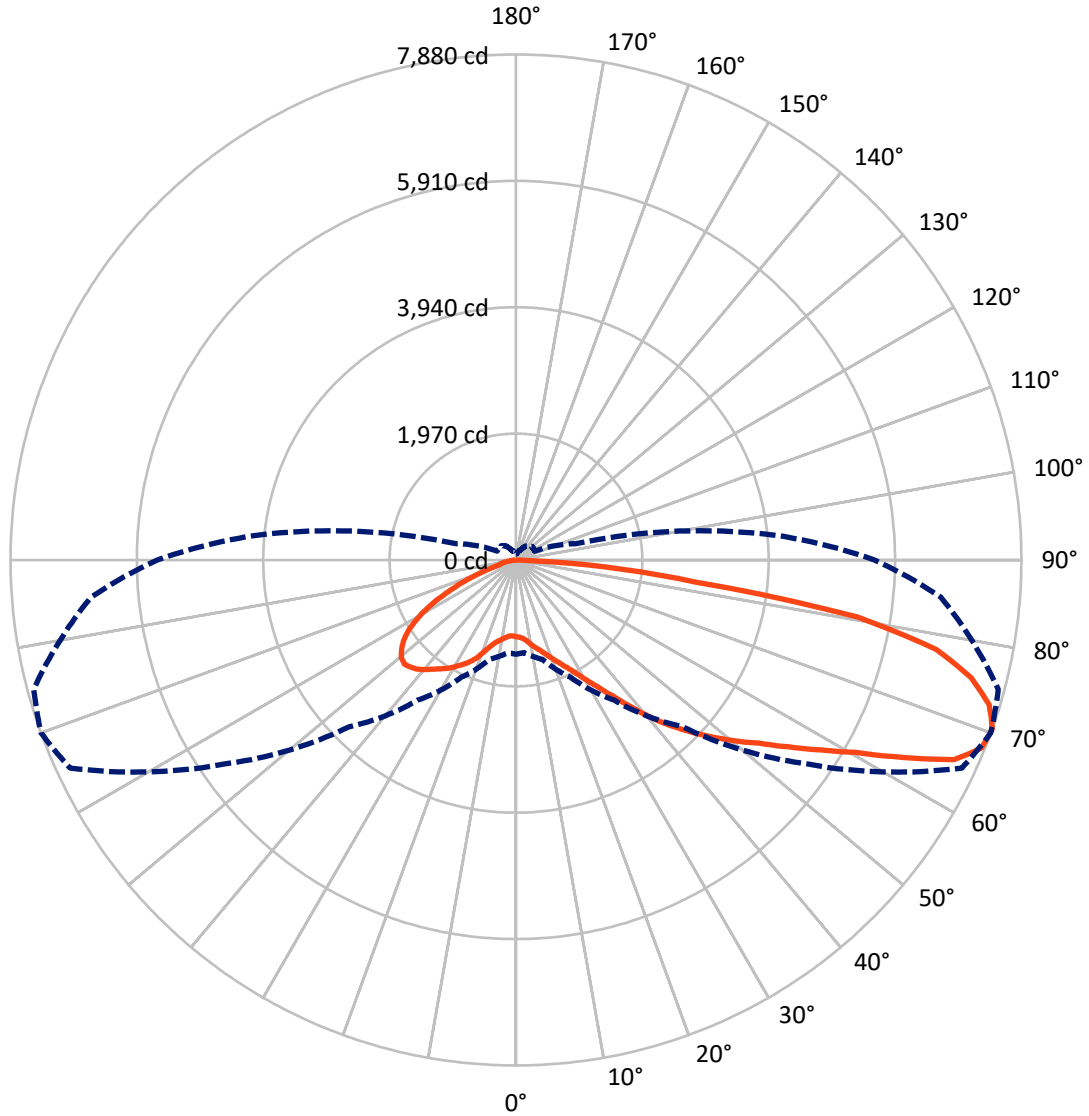
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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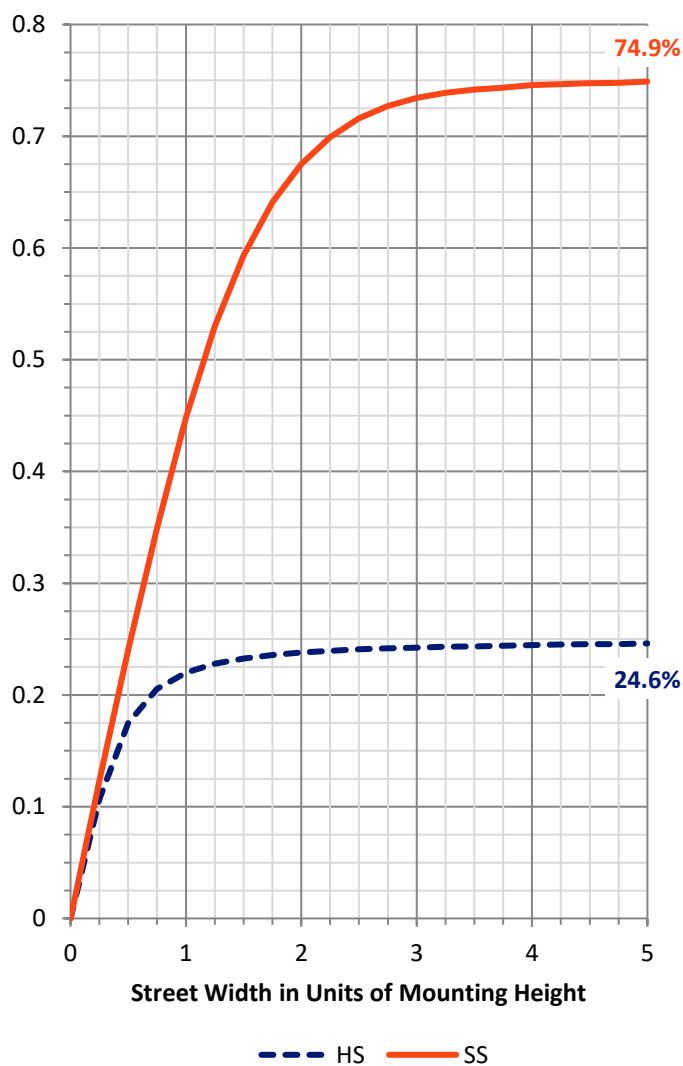
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2931.2	0.0	2931.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	8817.8	0.0	8817.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	11749.0	0.0	11749.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.3	1.0
10°-20°	384.2	3.3
20°-30°	721.8	6.1
30°-40°	1207.5	10.3
40°-50°	1844.0	15.7
50°-60°	2433.9	20.7
60°-70°	2753.9	23.4
70°-80°	1936.2	16.5
80°-90°	350.1	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°	11749.0	100.0
0°-180°	11749.0	100.0

Coefficient of Utilization

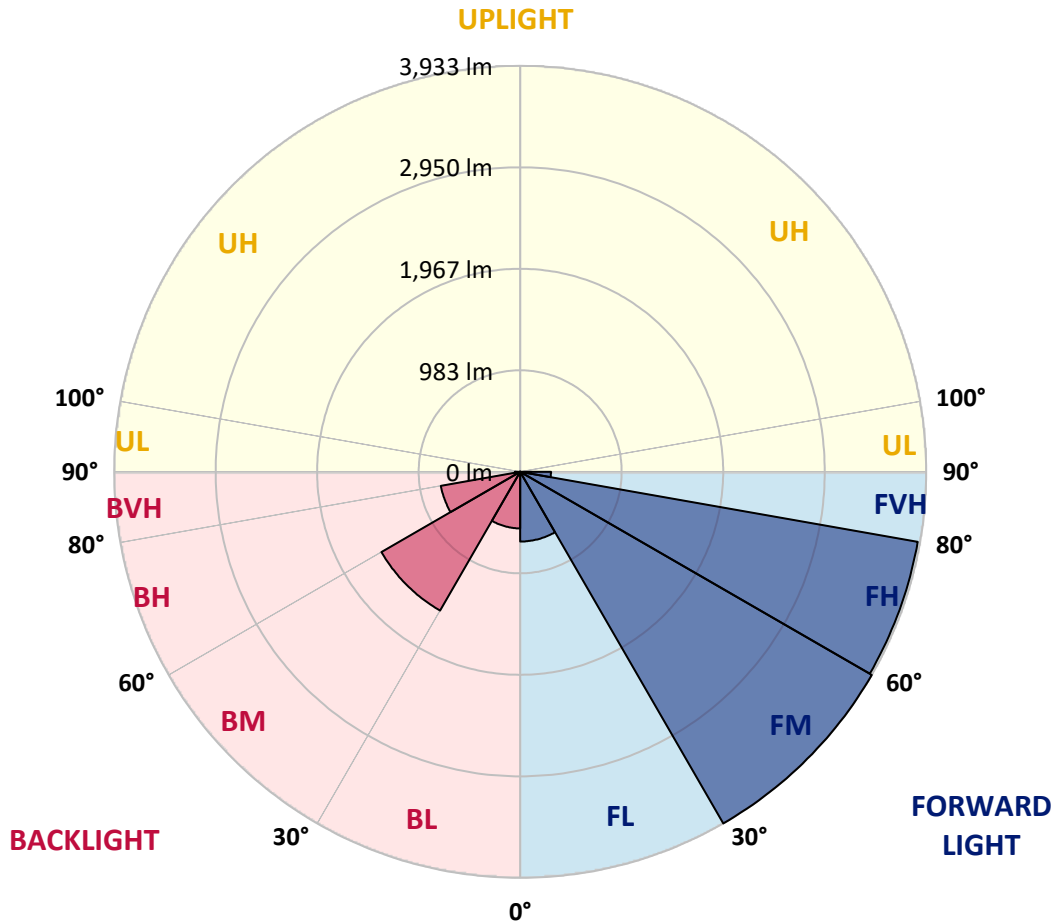


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	675.3	5.7			
FM (30°-60°)	3933.3	33.5			
FH (60°-80°)	3910.5	33.3			G2/5000
FVH (80°-90°)	298.7	2.5			G3/500
BL (0°-30°)	548.0	4.7	B2/1000		
BM (30°-60°)	1552.2	13.2	B2/2500		
BH (60°-80°)	779.6	6.6	B2/1000		G2/1000
BVH (80°-90°)	51.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6
2.5°	1223.6	1231.0	1228.5	1231.0	1231.0	1221.2	1216.2	1206.4	1206.4	1206.4	1201.5
5°	1272.8	1277.7	1270.3	1272.8	1272.8	1262.9	1250.6	1235.9	1231.0	1221.2	1213.8
7.5°	1304.7	1314.5	1317.0	1319.4	1319.4	1317.0	1307.2	1290.0	1277.7	1270.3	1253.1
10°	1353.8	1353.8	1361.2	1368.6	1383.3	1383.3	1368.6	1356.3	1348.9	1336.6	1307.2
12.5°	1378.4	1383.3	1390.7	1403.0	1420.2	1434.9	1427.6	1417.7	1407.9	1398.1	1363.7
15°	1395.6	1395.6	1407.9	1432.5	1459.5	1471.8	1476.7	1476.7	1471.8	1461.9	1425.1
17.5°	1425.1	1425.1	1439.8	1466.9	1489.0	1513.5	1540.6	1550.4	1555.3	1540.6	1508.6
20°	1476.7	1481.6	1489.0	1506.2	1525.8	1565.1	1614.3	1643.8	1646.2	1636.4	1609.4
22.5°	1528.3	1525.8	1530.7	1552.9	1584.8	1633.9	1695.4	1742.1	1747.0	1747.0	1724.9
25°	1599.5	1592.2	1589.7	1609.4	1651.1	1710.1	1781.4	1840.3	1860.0	1864.9	1887.0
27.5°	1670.8	1680.6	1670.8	1688.0	1722.4	1793.7	1887.0	1973.0	2000.0	2012.3	2108.2
30°	1860.0	1869.8	1833.0	1791.2	1813.3	1894.4	2005.0	2135.2	2172.0	2221.2	2373.5
32.5°	2120.4	2118.0	2118.0	2017.2	1931.2	2014.8	2130.3	2290.0	2368.6	2489.0	2670.8
35°	2356.3	2356.3	2348.9	2272.8	2164.7	2130.3	2272.8	2474.3	2606.9	2842.8	2980.4
37.5°	2562.7	2570.1	2579.9	2496.4	2430.0	2339.1	2432.5	2685.6	2894.4	3191.7	3317.0
40°	2744.5	2744.5	2781.4	2724.9	2678.2	2594.7	2602.0	2911.6	3221.2	3538.2	3629.1
42.5°	2887.0	2904.2	2955.8	2911.6	2921.4	2874.8	2810.9	3108.2	3525.9	3837.9	3921.5
45°	3002.5	3012.4	3059.0	3083.6	3149.9	3157.3	3088.5	3344.1	3825.6	4135.2	4186.8
47.5°	3086.1	3088.5	3130.3	3221.2	3353.9	3398.1	3371.1	3584.8	4122.9	4430.1	4439.9
50°	3125.4	3132.7	3218.7	3351.4	3555.4	3656.1	3705.2	3901.8	4435.0	4702.8	4702.8
52.5°	3159.8	3179.4	3290.0	3454.6	3729.8	3899.3	3978.0	4314.6	4744.6	4980.5	4970.6
55°	3181.9	3208.9	3317.0	3518.5	3850.2	4113.1	4238.4	4747.0	5140.2	5304.8	5228.6
57.5°	3044.3	3078.7	3270.3	3523.4	3931.3	4270.4	4523.4	5184.4	5584.9	5673.3	5489.1
60°	2815.8	2845.3	3063.9	3464.5	3914.1	4410.4	4835.5	5690.5	6091.0	6123.0	5766.7
62.5°	2579.9	2611.9	2818.2	3280.2	3798.6	4430.1	5123.0	6388.3	6779.0	6690.6	6076.3
65°	2285.1	2302.3	2516.0	2946.0	3570.1	4351.4	5346.6	7024.7	7506.3	7403.1	6381.0
67.5°	1933.7	1946.0	2135.2	2538.1	3169.6	4113.1	5508.7	7508.8	7825.7	7700.4	6621.8
70°	1469.3	1449.7	1604.5	2017.2	2665.9	3675.8	5545.6	7670.9	7879.8	7784.0	6648.8
72.5°	798.5	798.5	1004.9	1339.1	1931.2	2963.2	5405.5	7592.3	7715.2	7592.3	6400.6
75°	145.0	157.3	238.3	466.8	960.7	1985.3	4722.5	7140.2	7329.4	7142.7	5901.9
77.5°	90.9	93.4	122.9	184.3	297.3	742.0	3088.5	6425.2	6697.9	6518.6	5113.1
80°	66.3	66.3	88.5	132.7	211.3	292.4	1159.7	4973.1	5400.6	5351.5	3847.8
82.5°	46.7	49.1	63.9	95.8	145.0	203.9	341.5	2317.0	2823.2	2892.0	1847.7
85°	29.5	31.9	44.2	63.9	95.8	120.4	137.6	973.0	1380.9	1432.5	798.5
87.5°	14.7	17.2	27.0	41.8	59.0	71.3	66.3	61.4	63.9	71.3	36.9
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°	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6	1196.6
2.5°	1196.6	1194.1	1189.2	1184.3	1179.4	1172.0	1164.6	1154.8	1152.4	1147.4	1145.0
5°	1208.9	1201.5	1191.7	1181.8	1169.6	1154.8	1142.5	1132.7	1127.8	1125.3	1127.8
7.5°	1245.7	1233.4	1218.7	1204.0	1181.8	1162.2	1142.5	1130.2	1118.0	1113.0	1113.0
10°	1297.3	1282.6	1260.5	1233.4	1204.0	1179.4	1154.8	1132.7	1115.5	1108.1	1108.1
12.5°	1351.4	1334.2	1307.2	1270.3	1235.9	1199.0	1169.6	1137.6	1113.0	1098.3	1098.3
15°	1412.8	1395.6	1356.3	1321.9	1285.0	1243.3	1196.6	1147.4	1108.1	1081.1	1078.6
17.5°	1489.0	1474.2	1437.4	1405.4	1358.8	1299.8	1226.1	1145.0	1081.1	1039.3	1036.9
20°	1599.5	1582.3	1550.4	1508.6	1434.9	1341.6	1233.4	1130.2	1044.2	987.7	985.3
22.5°	1727.3	1739.6	1702.7	1599.5	1486.5	1366.1	1235.9	1105.7	990.2	926.3	921.4
25°	1914.0	1928.8	1823.1	1670.8	1523.4	1358.8	1211.3	1061.4	916.5	847.7	842.8
27.5°	2135.2	2093.4	1931.2	1727.3	1525.8	1341.6	1172.0	975.5	835.4	759.2	749.4
30°	2368.6	2302.3	2049.2	1766.6	1503.7	1304.7	1078.6	877.2	774.0	707.6	695.3
32.5°	2621.7	2528.3	2177.0	1798.6	1471.8	1231.0	975.5	840.3	744.5	665.9	658.5
35°	2923.9	2769.1	2307.2	1808.4	1420.2	1130.2	889.5	818.2	719.9	633.9	621.6
37.5°	3213.8	3022.2	2454.6	1805.9	1348.9	995.1	847.7	776.4	685.5	619.2	614.3
40°	3511.1	3282.6	2626.6	1801.0	1258.0	874.7	801.0	729.7	653.6	604.4	597.1
42.5°	3783.9	3521.0	2801.0	1783.8	1120.4	818.2	754.3	695.3	629.0	557.8	545.5
45°	4024.7	3744.6	2931.3	1751.9	973.0	761.7	700.3	651.1	594.6	518.4	506.2
47.5°	4260.5	3943.6	3071.3	1685.5	828.0	710.1	643.7	602.0	545.5	476.7	461.9
50°	4469.4	4120.5	3149.9	1545.5	734.7	656.0	579.9	538.1	471.8	405.4	400.5
52.5°	4690.5	4371.1	3223.7	1302.2	636.4	592.2	516.0	461.9	405.4	371.0	358.7
55°	4919.0	4626.6	3294.9	1000.0	552.8	538.1	447.2	383.3	324.3	307.1	314.5
57.5°	5142.6	4818.3	3265.4	702.7	501.2	469.3	375.9	309.6	262.9	265.4	280.1
60°	5388.3	4968.2	3059.0	479.1	454.6	383.3	314.5	265.4	231.0	218.7	216.2
62.5°	5614.4	5059.1	2616.8	407.9	403.0	336.6	285.0	240.8	213.8	189.2	181.8
65°	5786.4	5019.8	2054.1	371.0	363.6	321.9	272.7	228.5	199.0	162.2	154.8
67.5°	5803.6	4742.1	1513.5	339.1	339.1	321.9	272.7	216.2	145.0	125.3	125.3
70°	5592.3	4196.7	987.7	324.3	326.8	317.0	262.9	174.5	135.1	95.8	90.9
72.5°	5196.7	3592.2	489.0	294.8	317.0	280.1	238.3	179.4	127.8	88.5	83.5
75°	4533.3	2818.2	253.1	270.3	262.9	245.7	238.3	181.8	120.4	71.3	63.9
77.5°	3690.5	1695.4	211.3	243.2	211.3	228.5	213.8	172.0	113.0	68.8	63.9
80°	2034.4	665.9	169.5	164.6	174.5	181.8	196.6	164.6	122.9	78.6	73.7
82.5°	820.7	147.4	93.4	110.6	120.4	152.3	176.9	159.7	117.9	78.6	76.2
85°	213.8	44.2	41.8	59.0	88.5	125.3	149.9	122.9	86.0	68.8	66.3
87.5°	14.7	14.7	19.7	29.5	29.5	14.7	2.5	2.5	2.5	2.5	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

(END OF REPORT)