

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: P510982

Luminaire Tested: **PRV-P-C20-D-UNV-T2-7030**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-2)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-C20-D-UNV-T2-7030
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 1300mA LED AND TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9369 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

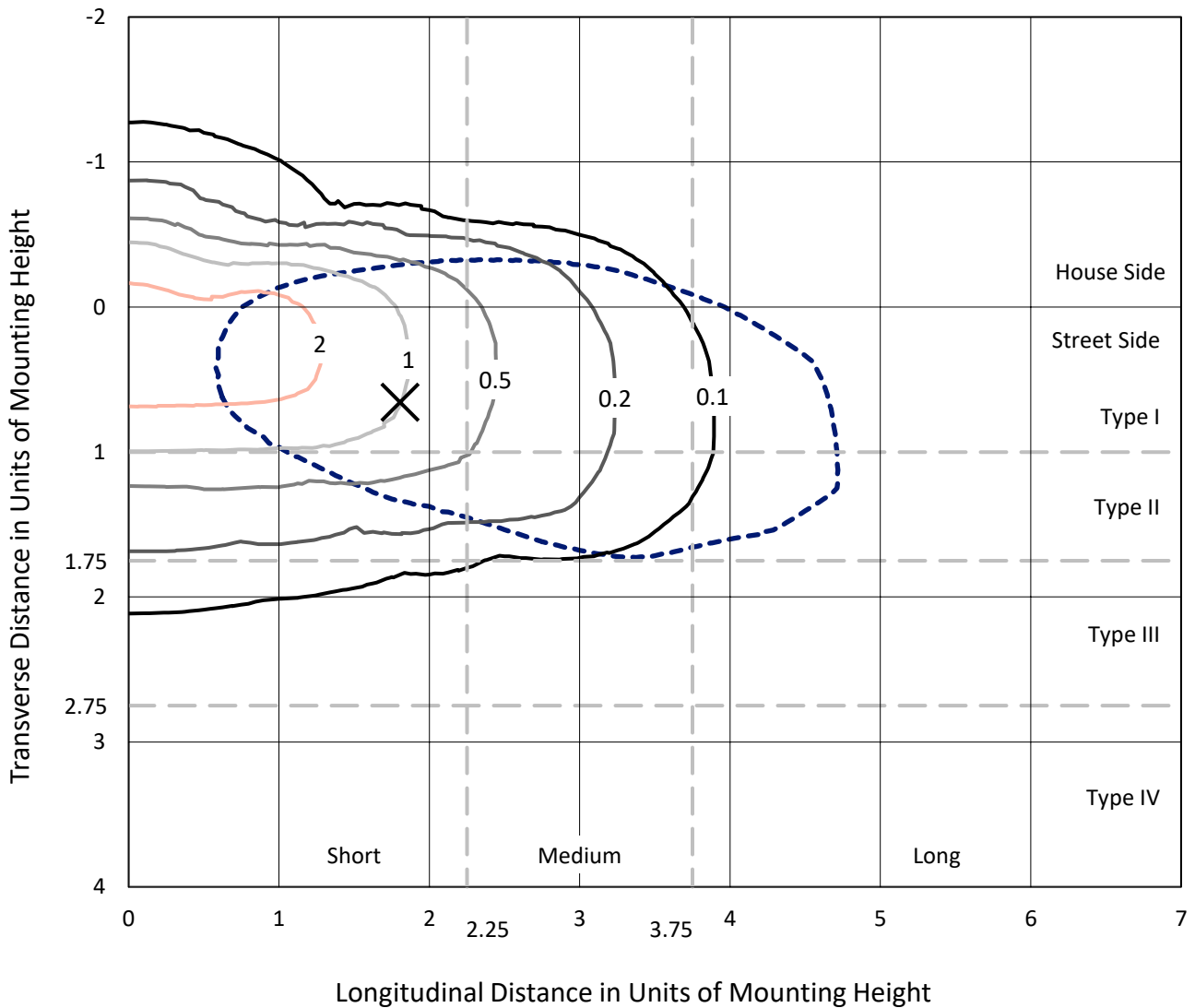
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

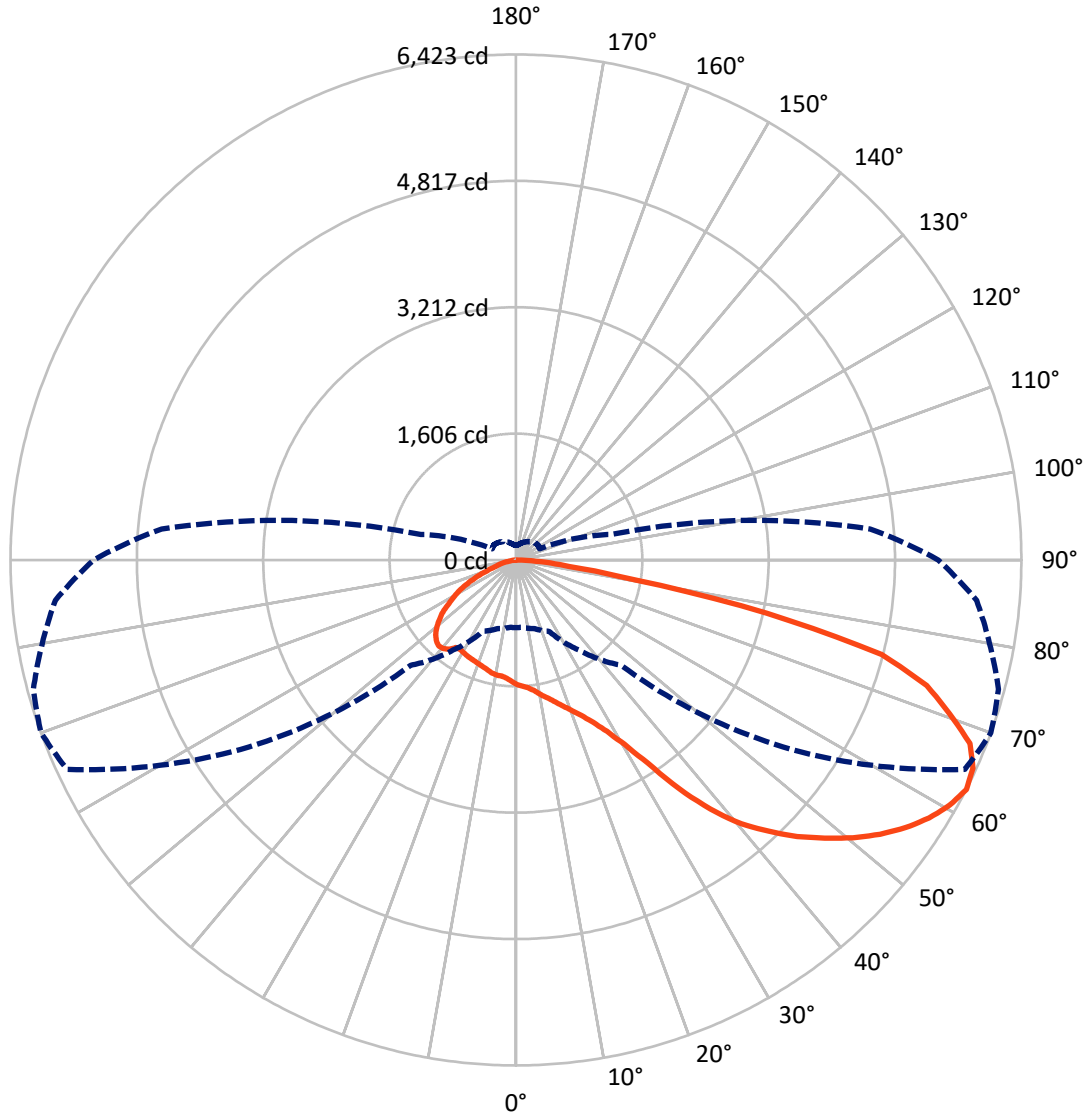
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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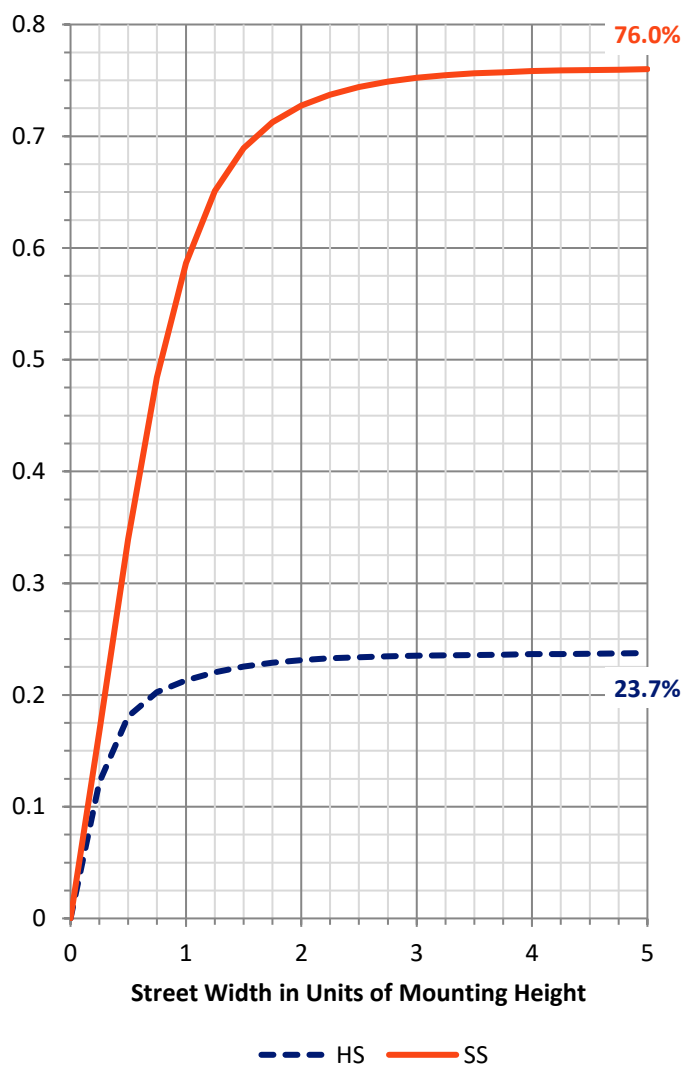
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2251.0	0.0	2251.0
	% Fixture	24.0	0.0	24.0
Street Side	Lumens	7118.0	0.0	7118.0
	% Fixture	76.0	0.0	76.0
Total	Lumens	9369.0	0.0	9369.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.7	1.6
10°-20°	465.3	5.0
20°-30°	791.3	8.4
30°-40°	1196.3	12.8
40°-50°	1650.9	17.6
50°-60°	1927.8	20.6
60°-70°	1893.3	20.2
70°-80°	1136.7	12.1
80°-90°	155.7	1.7
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°	9369.0	100.0
0°-180°	9369.0	100.0

Coefficient of Utilization

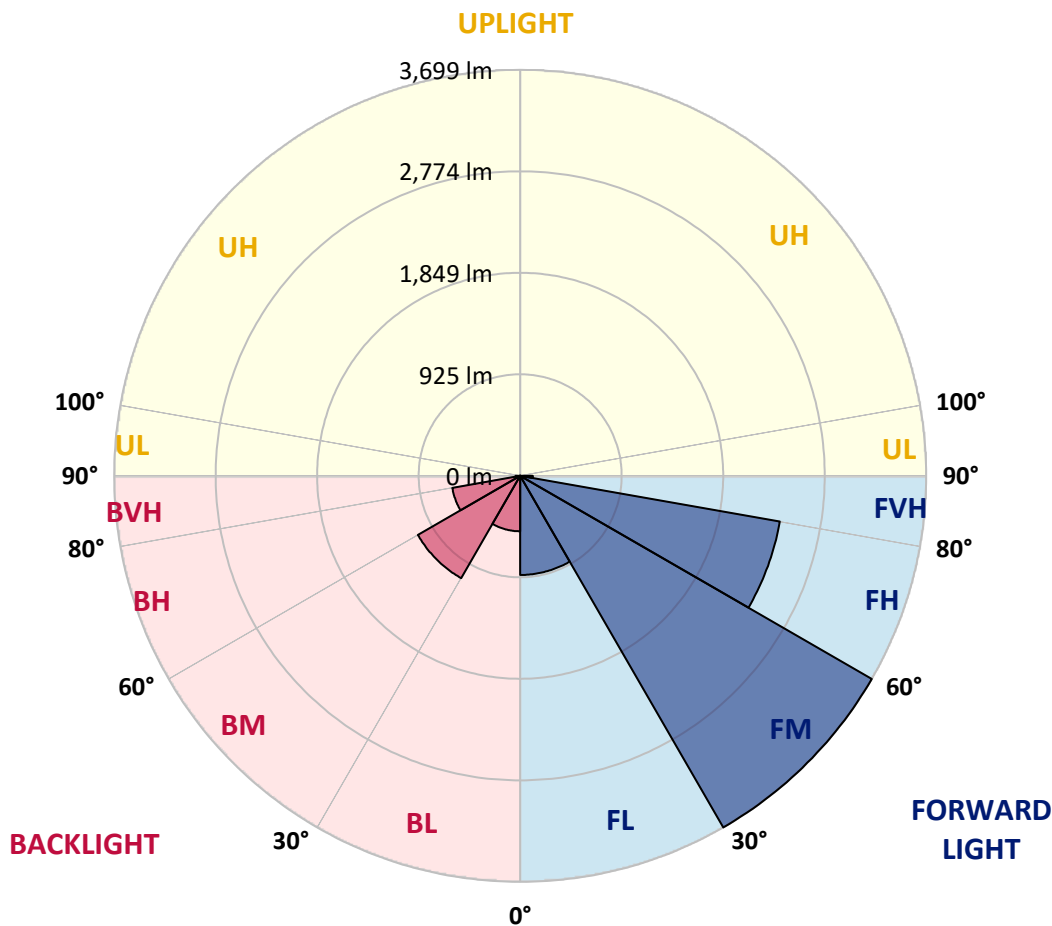


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	902.9	9.6			
FM (30°-60°)	3698.5	39.5			
FH (60°-80°)	2401.8	25.6			G2/5000
FVH (80°-90°)	114.8	1.2			G2/225
BL (0°-30°)	505.4	5.4	B2/1000		
BM (30°-60°)	1076.5	11.5	B2/2500		
BH (60°-80°)	628.1	6.7	B2/1000		G2/1000
BVH (80°-90°)	40.9	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-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1675.5	1677.4	1665.7	1659.8	1651.9	1646.0	1630.3	1616.6	1606.8	1599.0	1583.3
5°	1769.6	1767.7	1755.9	1734.3	1720.6	1701.0	1667.6	1644.1	1630.3	1614.7	1583.3
7.5°	1863.8	1856.0	1844.2	1824.6	1806.9	1779.5	1744.1	1697.1	1677.4	1651.9	1602.9
10°	1942.3	1942.3	1938.4	1920.7	1901.1	1863.8	1828.5	1773.6	1740.2	1702.9	1632.3
12.5°	2020.8	2018.8	2007.0	1997.2	1977.6	1944.3	1903.1	1842.2	1799.1	1759.8	1663.7
15°	2101.2	2097.3	2083.5	2069.8	2042.3	2016.8	1975.6	1918.7	1871.7	1822.6	1701.0
17.5°	2185.6	2179.7	2162.0	2154.2	2122.8	2097.3	2063.9	2003.1	1954.1	1895.2	1753.9
20°	2248.3	2246.4	2230.7	2226.8	2211.1	2181.6	2156.1	2103.2	2044.3	1981.5	1814.8
22.5°	2297.4	2297.4	2293.5	2301.3	2307.2	2287.6	2254.2	2209.1	2146.3	2085.5	1893.2
25°	2332.7	2332.7	2346.4	2370.0	2403.3	2401.4	2385.7	2340.6	2287.6	2218.9	1993.3
27.5°	2344.5	2346.4	2366.1	2426.9	2501.4	2523.0	2515.2	2503.4	2466.1	2381.8	2130.6
30°	2344.5	2346.4	2387.6	2474.0	2593.6	2650.5	2674.1	2727.1	2715.3	2652.5	2364.1
32.5°	2311.1	2315.1	2368.0	2489.7	2656.4	2764.3	2850.7	3023.3	3074.3	3086.1	2795.7
35°	2189.5	2199.3	2285.6	2468.1	2707.4	2903.6	3078.2	3415.7	3568.7	3582.4	3256.8
37.5°	2083.5	2089.4	2207.1	2424.9	2738.8	3031.1	3323.5	3853.2	4018.0	4016.0	3613.8
40°	1983.5	1995.3	2107.1	2356.3	2734.9	3143.0	3572.6	4245.6	4410.4	4345.6	3914.0
42.5°	1869.7	1883.4	1991.3	2269.9	2709.4	3245.0	3814.0	4606.6	4712.5	4675.2	4212.2
45°	1748.1	1753.9	1865.8	2128.7	2650.5	3307.8	4045.5	4924.4	5012.7	4944.0	4477.1
47.5°	1638.2	1646.0	1740.2	1987.4	2538.7	3327.4	4249.5	5206.9	5281.5	5224.6	4714.5
50°	1302.7	1326.3	1602.9	1859.9	2373.9	3286.2	4441.8	5460.0	5548.3	5473.7	4963.6
52.5°	1124.2	1137.9	1247.8	1728.4	2154.2	3176.3	4577.1	5715.0	5791.6	5693.5	5179.4
55°	1051.6	1053.5	1118.3	1477.3	1973.7	2989.9	4657.6	5946.5	6005.4	5909.3	5395.2
57.5°	986.8	996.6	1053.5	1204.6	1799.1	2652.5	4661.5	6121.2	6187.9	6068.2	5571.8
60°	914.2	922.1	986.8	1088.9	1599.0	2215.0	4498.7	6272.2	6331.1	6229.1	5746.4
62.5°	857.4	859.3	902.5	1000.6	1398.8	1893.2	4143.6	6293.8	6423.3	6348.7	5875.9
65°	788.7	792.6	835.8	922.1	1236.0	1646.0	3743.3	6172.2	6382.1	6384.1	5946.5
67.5°	700.4	702.4	749.4	835.8	1069.2	1455.7	3084.1	6046.6	6221.2	6254.6	5805.3
70°	582.7	594.5	635.7	718.1	906.4	1232.1	2344.5	5695.4	5846.5	5932.8	5438.4
72.5°	441.4	461.0	512.1	598.4	727.9	1032.0	1648.0	5153.9	5458.0	5518.8	4900.8
75°	92.2	94.2	153.0	315.9	588.6	800.5	1130.1	3919.9	4800.8	4902.8	4165.1
77.5°	41.2	45.1	70.6	105.9	190.3	516.0	739.6	2056.1	3260.7	3827.7	3288.2
80°	31.4	33.4	56.9	84.4	117.7	155.0	364.9	1130.1	1514.6	2116.9	2213.0
82.5°	17.7	19.6	37.3	60.8	74.6	70.6	151.1	490.5	678.8	859.3	1079.0
85°	9.8	11.8	21.6	33.4	31.4	35.3	66.7	260.9	386.5	510.1	545.4
87.5°	3.9	5.9	7.8	11.8	11.8	9.8	11.8	49.0	70.6	66.7	47.1
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°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1575.4	1565.6	1549.9	1534.2	1520.5	1508.7	1496.9	1493.0	1491.1	1491.1	1498.9
5°	1567.6	1551.9	1520.5	1493.0	1465.5	1445.9	1430.2	1414.5	1414.5	1410.6	1410.6
7.5°	1577.4	1553.8	1506.7	1465.5	1430.2	1402.8	1385.1	1367.5	1357.6	1355.7	1355.7
10°	1597.0	1567.6	1508.7	1455.7	1410.6	1367.5	1340.0	1312.5	1296.8	1289.0	1290.9
12.5°	1616.6	1573.5	1500.9	1436.1	1375.3	1320.4	1273.3	1234.0	1216.4	1218.3	1218.3
15°	1636.2	1583.3	1481.2	1400.8	1326.3	1255.6	1208.5	1167.3	1141.8	1137.9	1143.8
17.5°	1675.5	1602.9	1473.4	1367.5	1275.2	1192.8	1147.7	1114.4	1067.3	1067.3	1063.4
20°	1722.6	1636.2	1475.4	1332.1	1222.3	1128.1	1075.1	1043.7	1002.5	979.0	973.1
22.5°	1783.4	1681.4	1479.3	1298.8	1165.4	1061.4	990.8	951.5	922.1	888.7	882.9
25°	1869.7	1736.3	1489.1	1265.4	1104.6	984.9	894.6	843.6	810.3	773.0	771.0
27.5°	1965.8	1799.1	1498.9	1232.1	1033.9	888.7	775.0	718.1	690.6	672.9	667.0
30°	2126.7	1903.1	1512.6	1192.8	949.6	763.2	651.4	616.0	594.5	555.2	563.1
32.5°	2530.9	2175.8	1528.3	1147.7	863.2	651.4	569.0	525.8	486.6	457.1	455.2
35°	2921.3	2526.9	1604.8	1096.7	757.3	545.4	492.4	431.6	384.5	370.8	370.8
37.5°	3264.6	2819.3	1791.2	1049.6	653.3	488.5	410.0	363.0	333.5	313.9	337.4
40°	3568.7	3113.5	1930.5	982.9	541.5	419.8	329.6	313.9	296.2	292.3	294.3
42.5°	3837.5	3345.1	2038.4	898.6	461.0	343.3	286.4	300.2	298.2	296.2	288.4
45°	4102.4	3576.6	2107.1	776.9	394.3	292.3	282.5	304.1	306.1	306.1	298.2
47.5°	4328.0	3774.7	2150.3	639.6	337.4	290.4	290.4	294.3	306.1	310.0	306.1
50°	4555.6	3955.2	2148.3	498.3	333.5	304.1	294.3	284.5	294.3	284.5	282.5
52.5°	4777.2	4114.1	2063.9	406.1	345.3	321.8	296.2	278.6	262.9	262.9	255.0
55°	4957.7	4247.5	1901.1	380.6	357.1	331.6	298.2	272.7	251.1	233.5	243.3
57.5°	5122.5	4379.0	1659.8	370.8	357.1	329.6	298.2	266.8	241.3	215.8	204.0
60°	5275.6	4490.8	1453.8	353.1	355.1	321.8	290.4	259.0	223.7	198.2	190.3
62.5°	5365.8	4520.2	1251.7	333.5	339.4	313.9	284.5	251.1	215.8	188.3	184.4
65°	5344.2	4437.8	1006.5	311.9	325.7	304.1	274.7	237.4	202.1	174.6	166.8
67.5°	5136.3	4120.0	773.0	280.6	304.1	290.4	259.0	194.2	117.7	96.1	98.1
70°	4679.2	3706.0	547.4	239.4	266.8	262.9	198.2	131.4	94.2	74.6	80.4
72.5°	4141.6	3205.8	378.6	188.3	202.1	184.4	151.1	113.8	80.4	62.8	62.8
75°	3449.0	2568.1	284.5	153.0	105.9	127.5	129.5	100.1	80.4	94.2	104.0
77.5°	2691.7	1899.1	225.6	121.6	47.1	70.6	94.2	84.4	143.2	149.1	139.3
80°	1806.9	1283.1	176.6	41.2	25.5	29.4	56.9	115.8	119.7	66.7	62.8
82.5°	1000.6	669.0	74.6	23.5	13.7	15.7	29.4	151.1	78.5	60.8	58.9
85°	461.0	282.5	27.5	11.8	7.8	7.8	7.8	25.5	15.7	11.8	15.7
87.5°	35.3	21.6	5.9	3.9	3.9	2.0	0.0	2.0	2.0	2.0	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)