

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: P510995

Luminaire Tested: **PRV-P-C20-D-UNV-T3-7050-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510995  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-5)  
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-T3-7050-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 5000K, 1300mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8966 lumens  
Efficiency: N/A  
Efficacy: 123.2 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G3

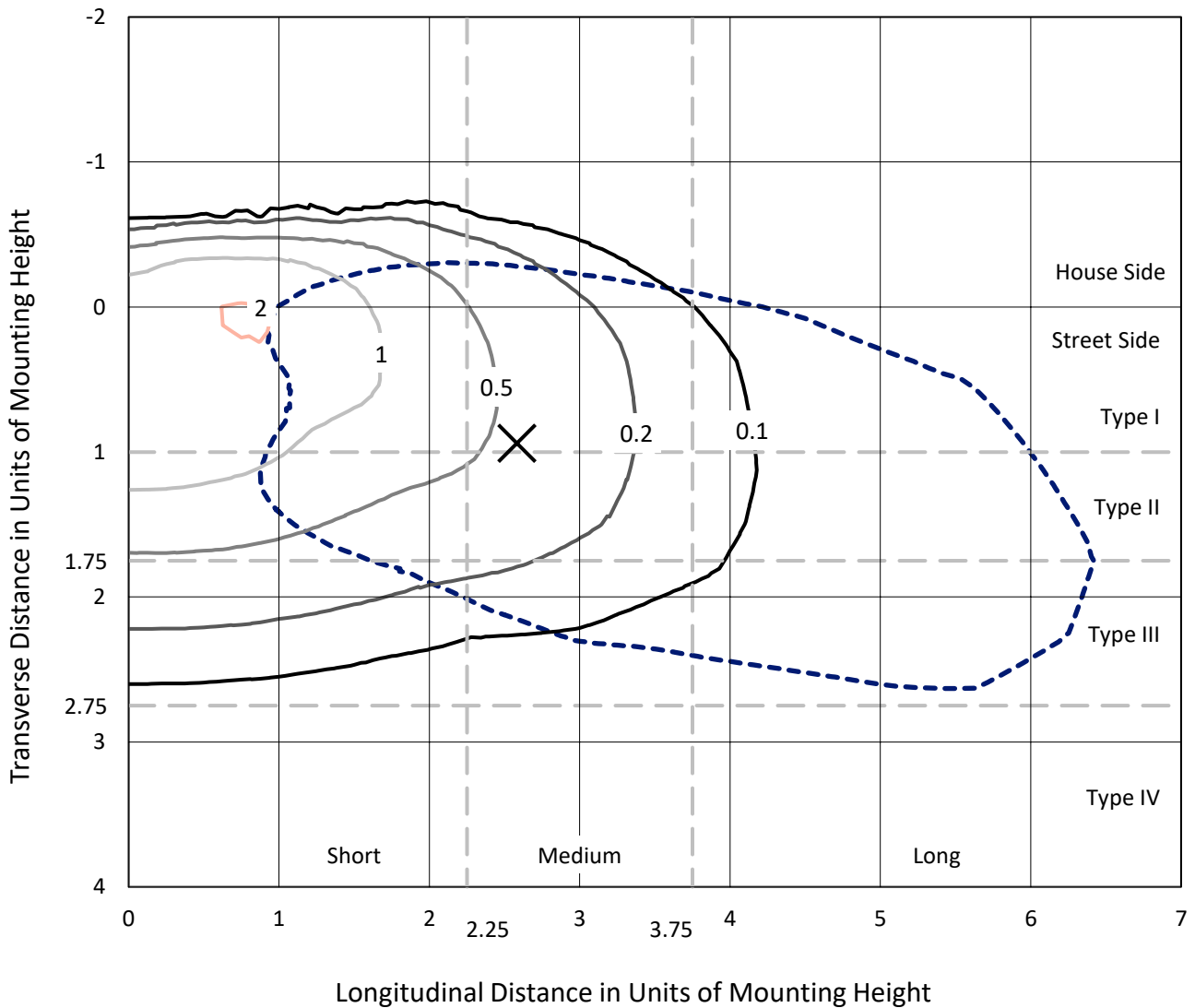
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

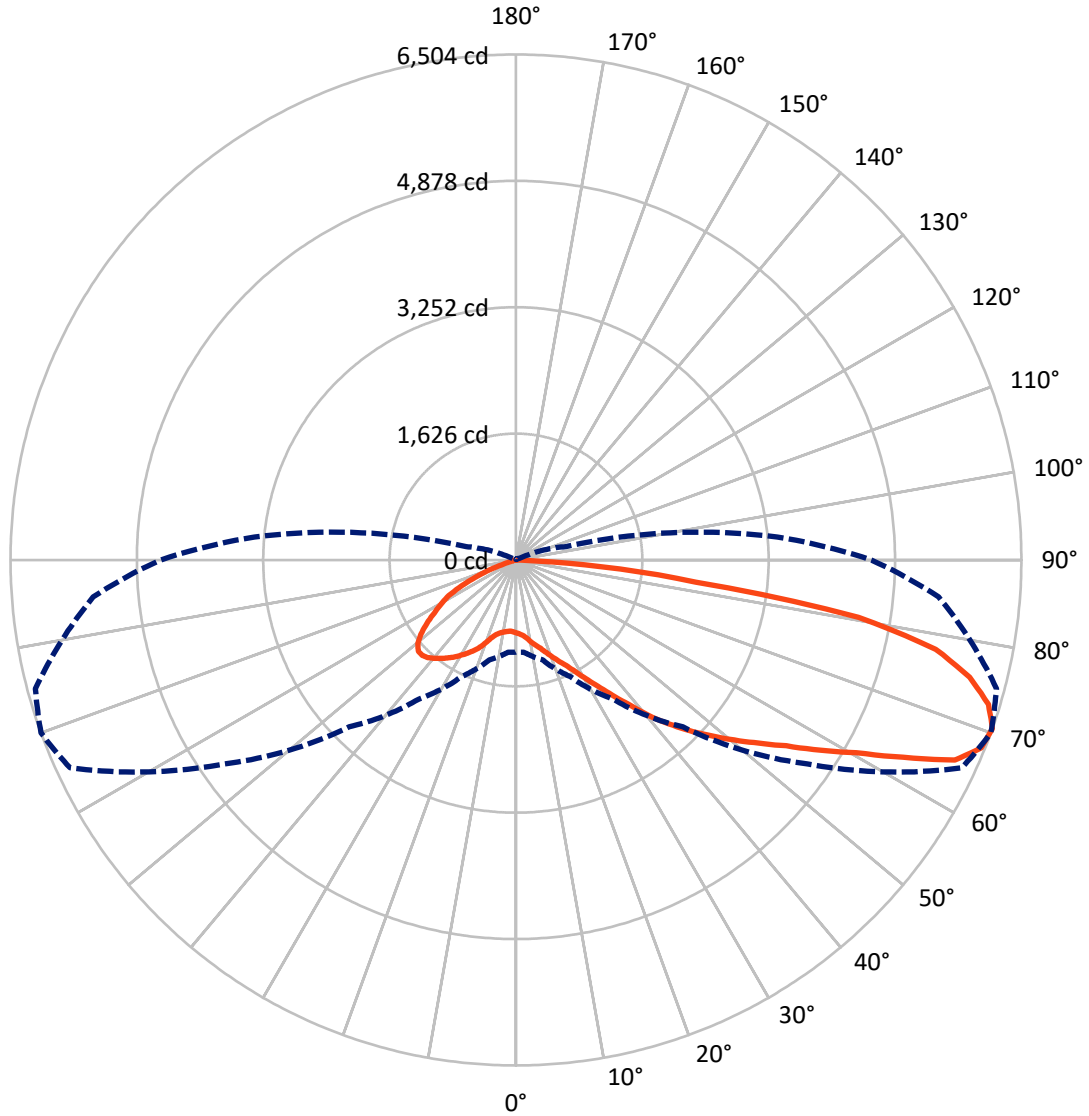
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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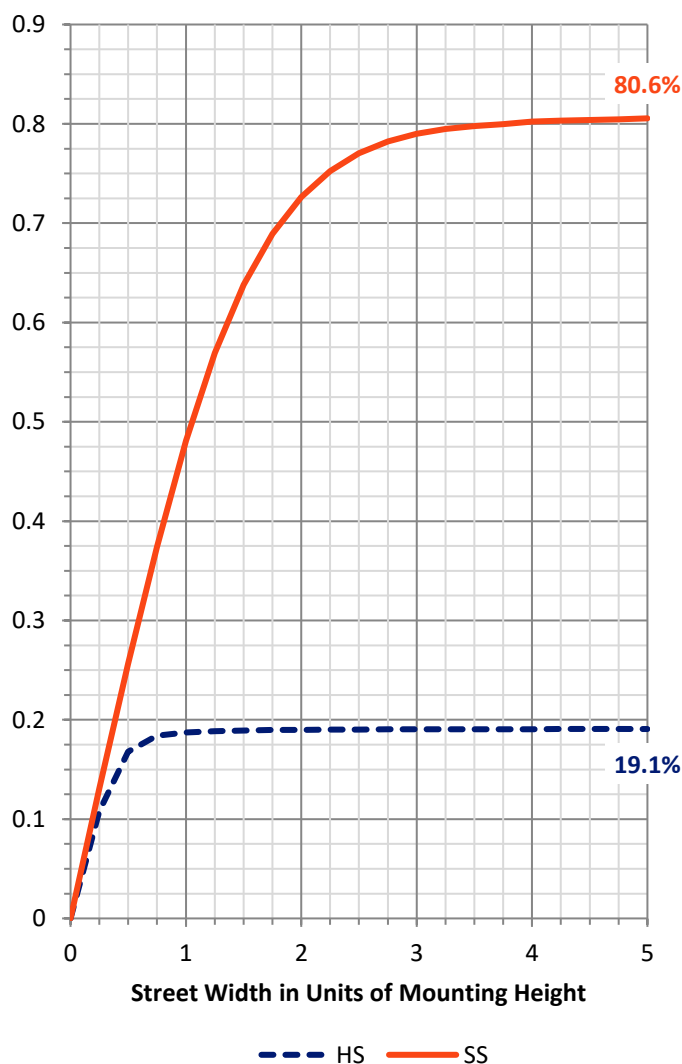
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1728.7	0.0	1728.7
	% Fixture	19.3	0.0	19.3
<b>Street Side</b>	Lumens	7237.3	0.0	7237.3
	% Fixture	80.7	0.0	80.7
<b>Total</b>	Lumens	8966.0	0.0	8966.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.3	1.0
10°-20°	285.1	3.2
20°-30°	523.7	5.8
30°-40°	875.6	9.8
40°-50°	1370.2	15.3
50°-60°	1868.0	20.8
60°-70°	2175.0	24.3
70°-80°	1520.7	17.0
80°-90°	257.5	2.9
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°	8966.0	100.0
0°-180°	8966.0	100.0

**Coefficient of Utilization**

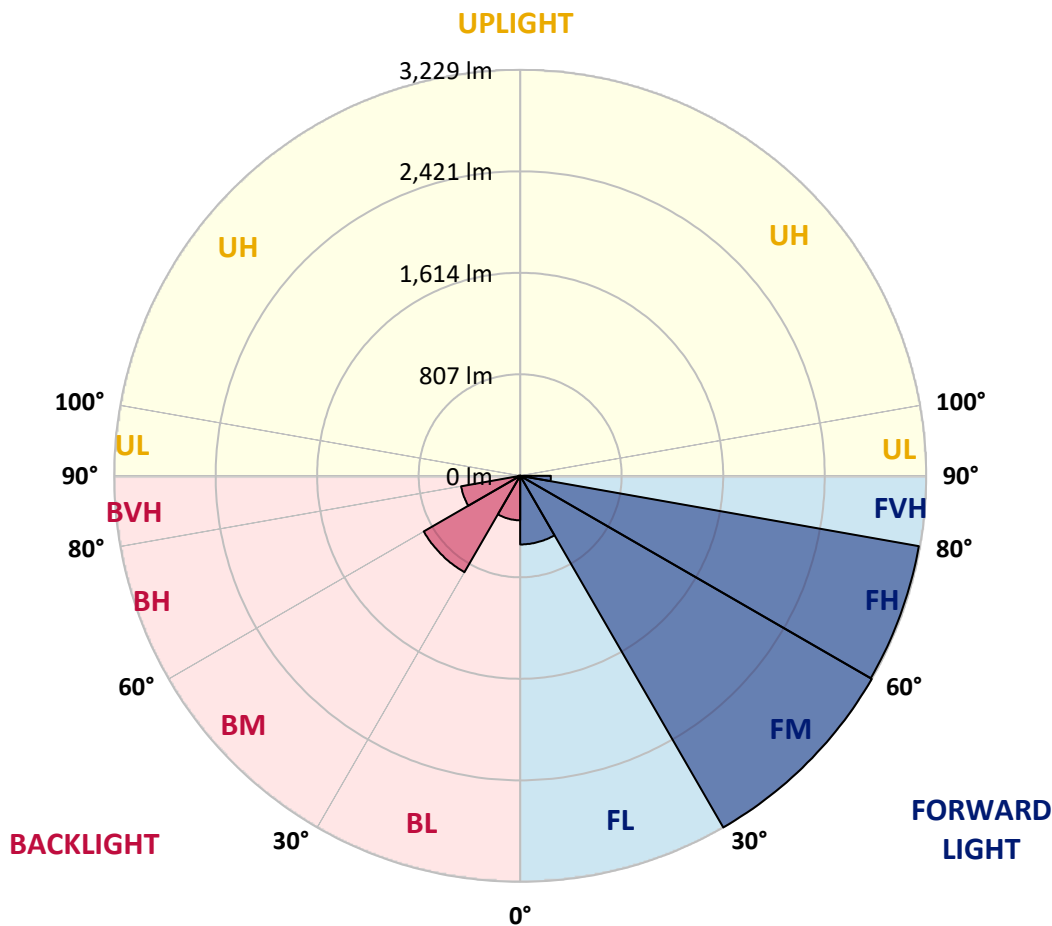


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	545.7	6.1			
FM (30°-60°)	3228.5	36.0			
FH (60°-80°)	3219.0	35.9			G2/5000
FVH (80°-90°)	244.2	2.7			G3/500
BL (0°-30°)	353.4	3.9	B1/500		
BM (30°-60°)	885.3	9.9	B1/1000		
BH (60°-80°)	476.7	5.3	B1/500		G1/500
BVH (80°-90°)	13.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	938.2	938.2	938.2	938.2	938.2	938.2	938.2	938.2	938.2	938.2	938.2
2.5°	972.8	978.9	976.8	978.9	976.8	970.7	962.6	954.4	952.4	950.4	944.3
5°	1015.5	1019.6	1015.5	1017.5	1013.5	1005.3	993.1	980.9	976.8	968.7	954.4
7.5°	1052.1	1056.2	1056.2	1062.3	1060.3	1056.2	1042.0	1027.7	1015.5	1007.4	989.0
10°	1090.8	1092.8	1094.9	1103.0	1109.1	1109.1	1096.9	1084.7	1074.5	1060.3	1031.8
12.5°	1115.2	1117.3	1121.3	1131.5	1145.7	1153.9	1147.8	1135.6	1125.4	1113.2	1076.6
15°	1125.4	1127.4	1137.6	1155.9	1176.3	1188.5	1190.5	1182.4	1178.3	1166.1	1129.5
17.5°	1151.8	1155.9	1162.0	1186.4	1202.7	1223.1	1241.4	1253.6	1249.5	1237.3	1198.7
20°	1192.5	1198.7	1202.7	1221.0	1233.3	1269.9	1306.5	1328.9	1326.9	1318.7	1280.1
22.5°	1243.4	1245.5	1249.5	1261.7	1284.1	1324.8	1375.7	1402.2	1414.4	1406.2	1375.7
25°	1300.4	1300.4	1296.3	1314.7	1345.2	1390.0	1451.0	1495.8	1503.9	1510.0	1516.1
27.5°	1367.6	1369.6	1363.5	1379.8	1408.3	1461.2	1536.5	1599.6	1624.0	1632.1	1691.1
30°	1528.3	1526.3	1501.9	1457.1	1491.7	1550.7	1630.1	1735.9	1770.5	1807.1	1917.0
32.5°	1737.9	1733.9	1733.9	1636.2	1581.2	1646.4	1735.9	1870.2	1935.3	2037.1	2161.2
35°	1931.3	1931.3	1925.2	1870.2	1764.4	1750.2	1847.8	2026.9	2134.8	2320.0	2421.7
37.5°	2102.2	2102.2	2112.4	2051.3	1982.2	1904.8	1990.3	2195.8	2356.6	2598.8	2674.1
40°	2258.9	2265.0	2273.2	2242.6	2189.7	2126.6	2134.8	2383.1	2633.4	2897.9	2957.0
42.5°	2370.9	2387.1	2436.0	2399.3	2407.5	2368.8	2305.7	2560.1	2883.7	3146.2	3197.1
45°	2476.7	2482.8	2519.4	2541.8	2596.7	2580.5	2535.7	2741.2	3132.0	3396.5	3406.7
47.5°	2552.0	2552.0	2584.5	2659.8	2759.6	2790.1	2773.8	2944.7	3382.3	3618.4	3628.5
50°	2580.5	2584.5	2657.8	2765.7	2932.5	2993.6	3016.0	3209.3	3642.8	3860.5	3832.0
52.5°	2613.0	2627.3	2722.9	2857.2	3079.1	3201.2	3256.1	3557.3	3915.5	4100.7	4041.6
55°	2629.3	2655.8	2743.3	2910.1	3184.9	3378.2	3469.8	3887.0	4220.7	4346.9	4283.8
57.5°	2503.1	2545.9	2704.6	2912.2	3252.0	3522.7	3705.9	4257.4	4617.6	4652.2	4483.3
60°	2330.2	2350.5	2535.7	2863.3	3233.7	3638.7	3978.6	4701.0	5032.7	5047.0	4727.5
62.5°	2140.9	2140.9	2322.0	2698.5	3150.3	3655.0	4226.8	5254.5	5592.4	5472.3	4983.9
65°	1890.6	1904.8	2083.9	2427.8	2963.1	3589.9	4416.1	5799.9	6207.0	6093.0	5238.3
67.5°	1577.2	1589.4	1750.2	2075.8	2613.0	3396.5	4544.3	6207.0	6457.3	6355.5	5431.6
70°	1184.4	1192.5	1330.9	1654.5	2185.7	3036.3	4576.9	6331.1	6504.1	6402.3	5460.1
72.5°	669.5	649.2	810.0	1088.8	1581.2	2468.5	4450.7	6259.9	6357.6	6245.6	5240.3
75°	101.8	120.1	173.0	400.9	812.0	1619.9	3929.7	5920.0	6029.9	5897.6	4835.3
77.5°	73.3	75.3	97.7	146.5	246.2	594.2	2503.1	5323.7	5523.2	5362.4	4192.2
80°	52.9	52.9	69.2	103.8	166.9	230.0	966.7	3952.1	4471.0	4410.0	3138.1
82.5°	36.6	38.7	48.8	75.3	116.0	162.8	278.8	1892.6	2330.2	2393.2	1542.6
85°	24.4	24.4	34.6	52.9	77.3	99.7	111.9	816.1	1105.0	1149.8	645.1
87.5°	14.2	14.2	20.4	32.6	48.8	61.1	54.9	65.1	57.0	52.9	28.5
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°	938.2	938.2	938.2	938.2	938.2	938.2	938.2	938.2	938.2	938.2	938.2
2.5°	940.2	936.1	928.0	921.9	913.7	903.6	893.4	889.3	879.1	877.1	871.0
5°	948.3	940.2	926.0	909.7	889.3	869.0	846.6	834.4	824.2	816.1	822.2
7.5°	976.8	962.6	940.2	911.7	877.1	844.6	816.1	791.6	777.4	771.3	771.3
10°	1015.5	997.2	960.6	917.8	871.0	828.3	785.5	753.0	730.6	720.4	718.4
12.5°	1058.2	1035.8	987.0	928.0	871.0	812.0	763.2	718.4	687.9	673.6	671.6
15°	1103.0	1078.6	1019.6	952.4	885.3	816.1	748.9	689.9	647.2	622.7	620.7
17.5°	1170.2	1141.7	1072.5	1001.3	919.9	832.3	744.8	659.4	592.2	559.6	555.6
20°	1251.6	1223.1	1162.0	1068.4	960.6	844.6	722.4	612.6	533.2	490.5	490.5
22.5°	1355.4	1357.4	1267.8	1131.5	985.0	836.4	696.0	561.7	453.8	398.9	394.8
25°	1516.1	1506.0	1367.6	1180.3	997.2	810.0	645.1	470.1	343.9	291.0	280.8
27.5°	1701.3	1648.4	1459.1	1219.0	987.0	779.4	565.7	352.1	230.0	183.2	177.1
30°	1884.5	1809.2	1548.7	1255.6	966.7	714.3	437.5	219.8	146.5	122.1	118.0
32.5°	2102.2	1996.4	1654.5	1282.1	942.2	614.6	295.1	138.4	95.6	81.4	77.3
35°	2342.4	2185.7	1762.4	1292.3	893.4	482.3	170.9	85.5	59.0	59.0	61.1
37.5°	2590.6	2419.7	1882.4	1290.2	807.9	321.5	105.8	48.8	48.8	59.0	63.1
40°	2832.8	2623.2	2008.6	1274.0	675.6	185.2	54.9	40.7	44.8	54.9	57.0
42.5°	3062.8	2806.4	2140.9	1241.4	502.7	103.8	42.7	38.7	42.7	46.8	46.8
45°	3266.3	3005.8	2248.7	1192.5	315.4	54.9	40.7	36.6	36.6	38.7	40.7
47.5°	3445.4	3172.7	2340.3	1096.9	168.9	50.9	38.7	34.6	32.6	34.6	34.6
50°	3624.5	3319.2	2377.0	944.3	79.4	50.9	38.7	32.6	30.5	36.6	36.6
52.5°	3797.4	3486.1	2364.7	740.8	57.0	46.8	36.6	32.6	30.5	38.7	40.7
55°	3984.7	3646.8	2344.4	470.1	57.0	44.8	34.6	28.5	28.5	28.5	30.5
57.5°	4163.7	3791.3	2309.8	197.4	54.9	40.7	30.5	24.4	22.4	24.4	24.4
60°	4359.1	3952.1	2159.2	79.4	52.9	36.6	26.5	22.4	18.3	20.4	20.4
62.5°	4566.7	4053.9	1894.6	63.1	48.8	32.6	22.4	18.3	16.3	16.3	18.3
65°	4721.4	4055.9	1489.7	54.9	46.8	28.5	20.4	16.3	14.2	14.2	14.2
67.5°	4739.7	3821.9	1086.7	48.8	42.7	24.4	16.3	14.2	12.2	10.2	12.2
70°	4572.8	3376.2	663.4	46.8	36.6	20.4	14.2	12.2	10.2	8.1	10.2
72.5°	4243.1	2877.6	260.5	42.7	32.6	16.3	12.2	12.2	8.1	6.1	6.1
75°	3724.2	2246.7	65.1	38.7	28.5	14.2	10.2	10.2	8.1	4.1	4.1
77.5°	2991.5	1320.8	48.8	32.6	24.4	10.2	8.1	8.1	4.1	4.1	4.1
80°	1670.8	498.6	36.6	22.4	14.2	8.1	4.1	4.1	4.1	4.1	4.1
82.5°	663.4	103.8	26.5	12.2	8.1	4.1	2.0	2.0	2.0	4.1	4.1
85°	142.5	32.6	16.3	8.1	4.1	2.0	2.0	2.0	2.0	2.0	4.1
87.5°	10.2	10.2	6.1	6.1	4.1	2.0	2.0	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)