

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: P511053

Luminaire Tested: **PRV-P-C25-D-UNV-T4-7030-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511053  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-7)  
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-T4-7030-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1650mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10651 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

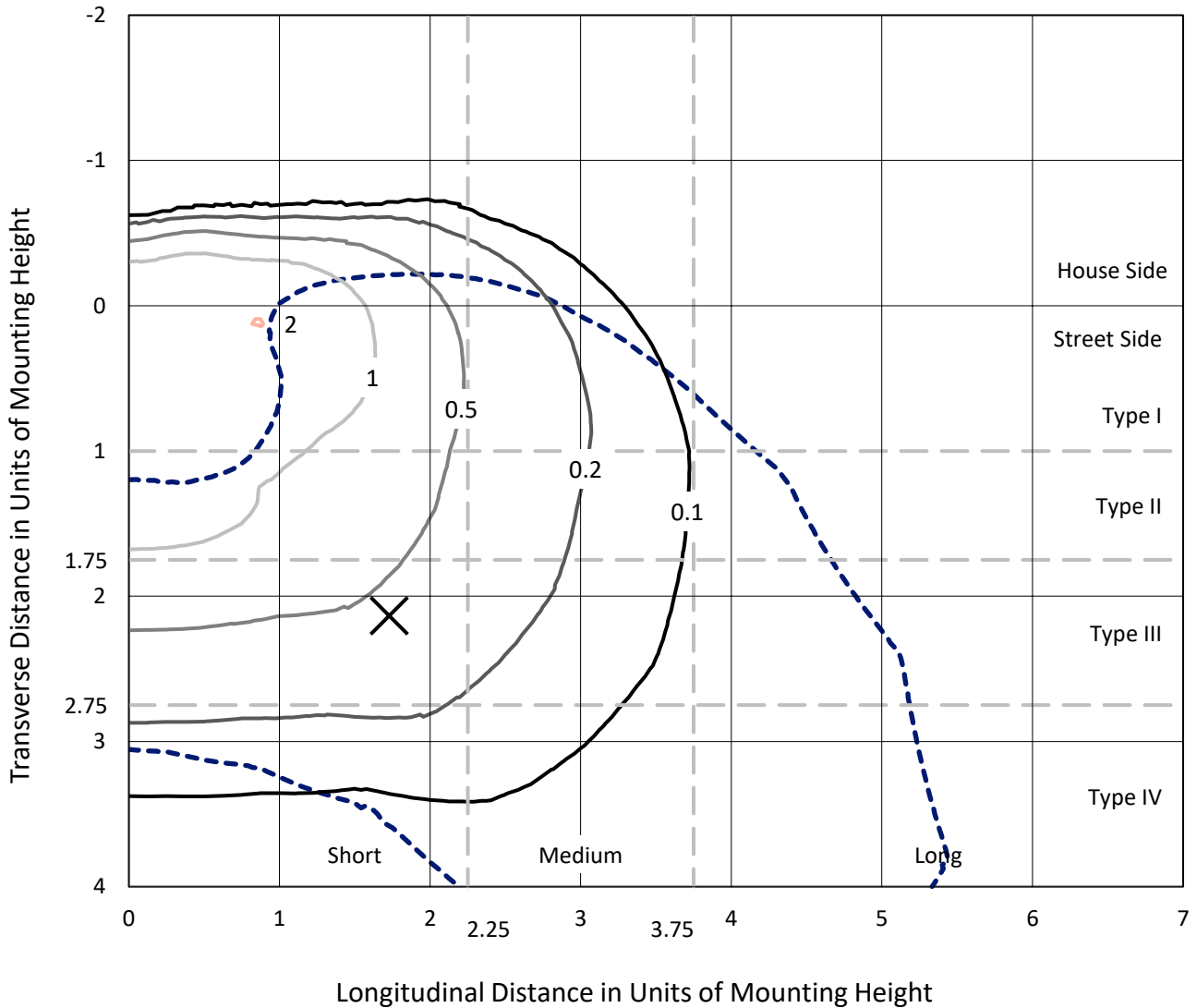
Input Watts (W): 94.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

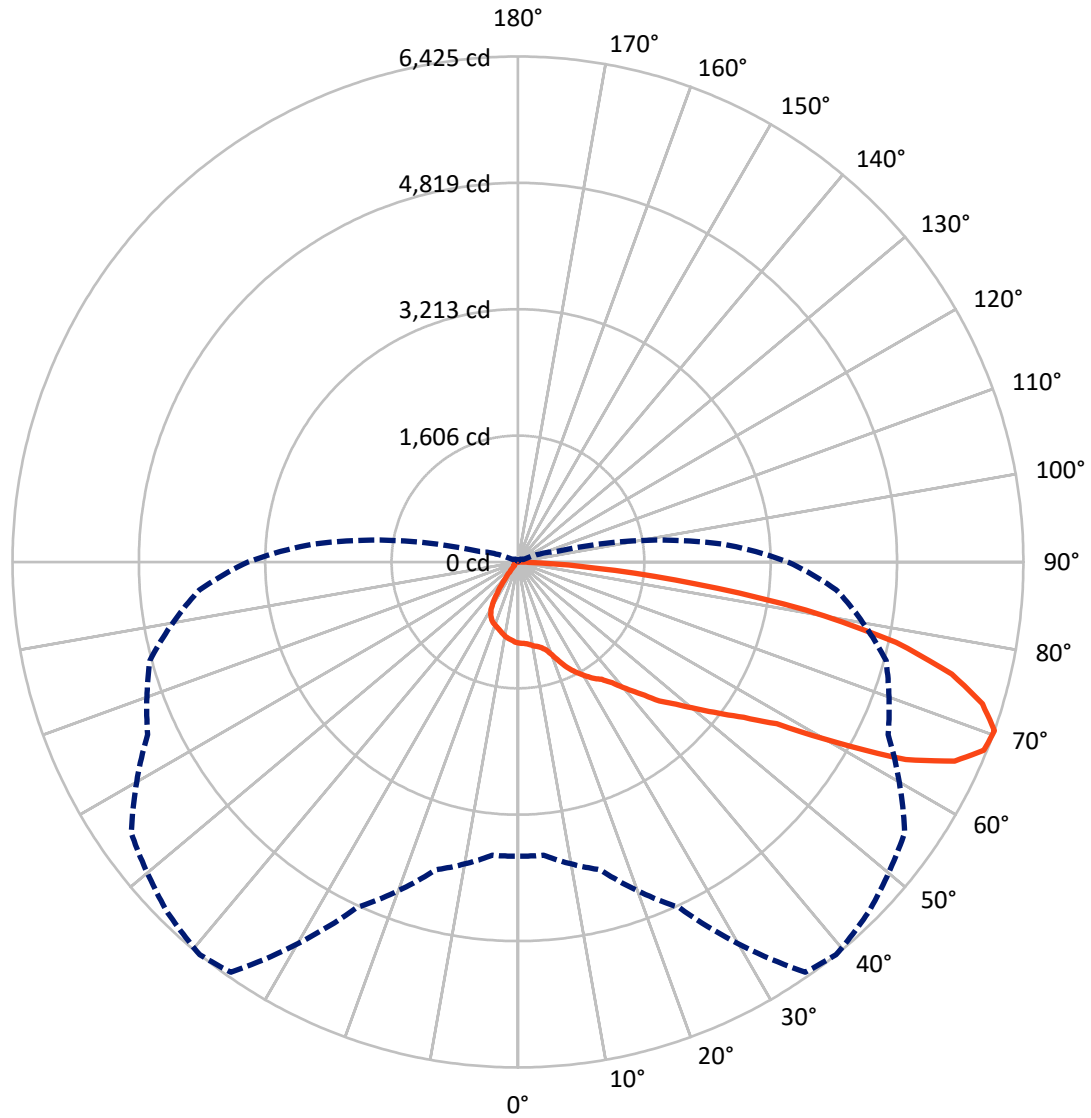
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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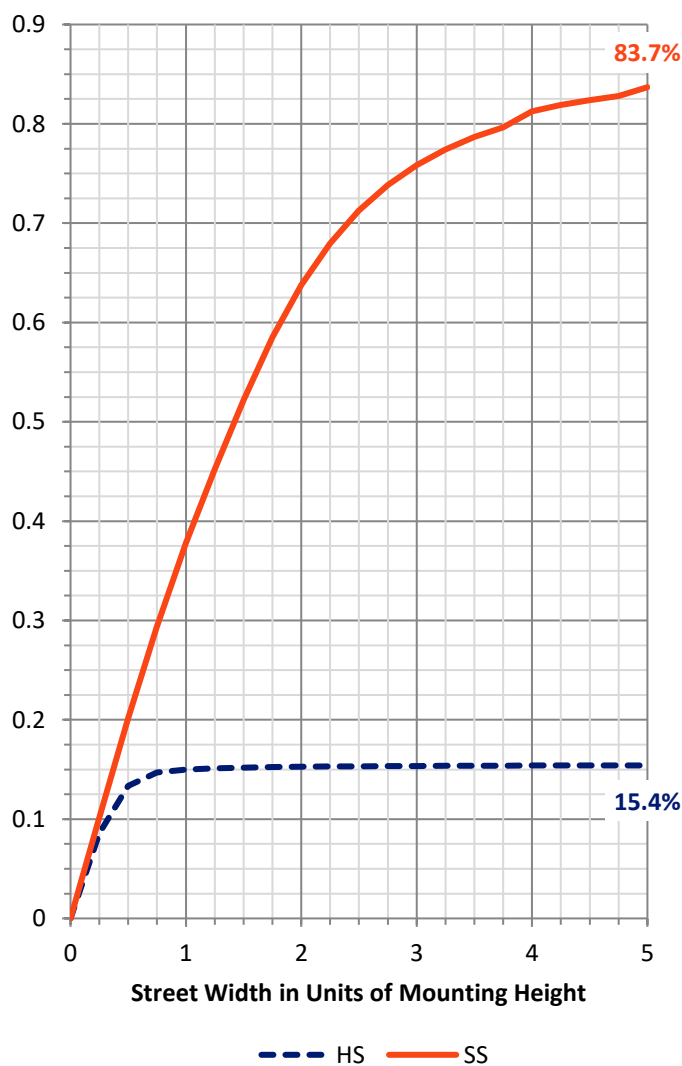
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1657.3	0.0	1657.3
	% Fixture	15.6	0.0	15.6
<b>Street Side</b>	Lumens	8993.7	0.0	8993.7
	% Fixture	84.4	0.0	84.4
<b>Total</b>	Lumens	10651.0	0.0	10651.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.9	0.9
10°-20°	299.4	2.8
20°-30°	561.3	5.3
30°-40°	886.1	8.3
40°-50°	1380.7	13.0
50°-60°	2089.2	19.6
60°-70°	2797.9	26.3
70°-80°	2154.5	20.2
80°-90°	384.0	3.6
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°	10651.0	100.0
0°-180°	10651.0	100.0

**Coefficient of Utilization**

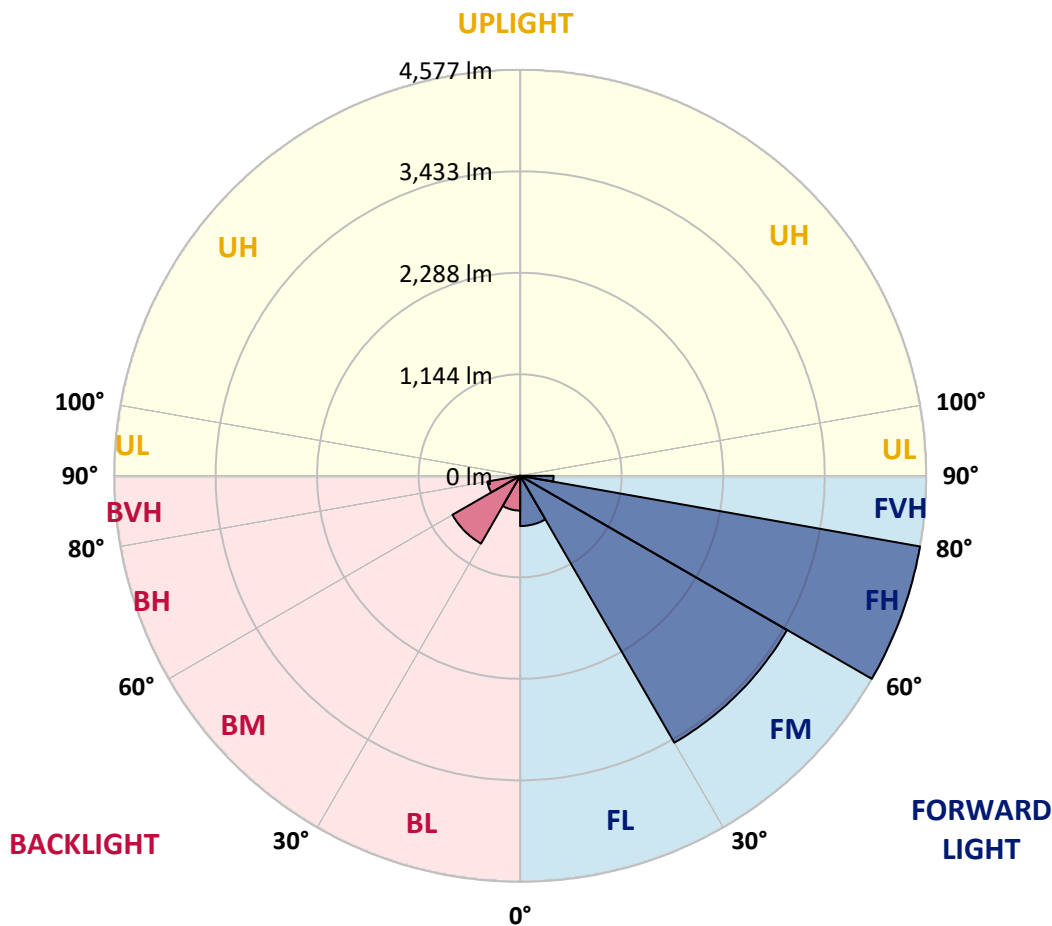


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	566.5	5.3			
FM (30°-60°)	3473.6	32.6			
FH (60°-80°)	4576.9	43.0			G2/5000
FVH (80°-90°)	376.7	3.5			G3/500
BL (0°-30°)	392.1	3.7	B1/500		
BM (30°-60°)	882.3	8.3	B1/1000		
BH (60°-80°)	375.5	3.5	B1/500		G1/500
BVH (80°-90°)	7.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6
2.5°	1030.6	1035.3	1035.3	1035.3	1035.3	1035.3	1035.3	1032.9	1035.3	1040.0	1035.3
5°	1035.3	1037.7	1037.7	1042.4	1042.4	1042.4	1042.4	1040.0	1042.4	1042.4	1037.7
7.5°	1047.1	1047.1	1049.5	1054.2	1059.0	1059.0	1059.0	1061.4	1061.4	1056.6	1054.2
10°	1059.0	1059.0	1061.4	1070.8	1080.3	1085.0	1087.4	1092.2	1094.5	1089.8	1082.7
12.5°	1073.2	1073.2	1075.6	1085.0	1096.9	1101.6	1108.7	1118.2	1122.9	1120.6	1111.1
15°	1094.5	1094.5	1099.3	1108.7	1127.7	1130.1	1139.5	1153.7	1160.9	1160.9	1151.4
17.5°	1168.0	1172.7	1168.0	1165.6	1175.1	1179.8	1186.9	1203.5	1217.7	1217.7	1215.3
20°	1310.1	1303.0	1295.9	1286.4	1272.2	1272.2	1265.1	1267.5	1279.3	1298.3	1295.9
22.5°	1438.0	1440.4	1433.3	1416.7	1393.0	1385.9	1371.7	1367.0	1367.0	1385.9	1390.7
25°	1542.3	1549.4	1547.0	1523.3	1497.3	1499.6	1497.3	1492.5	1487.8	1490.2	1499.6
27.5°	1627.6	1629.9	1622.8	1608.6	1592.0	1592.0	1592.0	1601.5	1625.2	1625.2	1627.6
30°	1696.3	1701.0	1693.9	1689.2	1682.1	1677.3	1677.3	1712.9	1762.6	1798.1	1819.5
32.5°	1840.8	1824.2	1802.9	1755.5	1762.6	1762.6	1767.3	1814.7	1900.0	1966.3	2035.1
35°	1971.1	1973.5	1942.7	1909.5	1833.7	1831.3	1857.4	1919.0	2027.9	2160.6	2281.4
37.5°	2141.7	2141.7	2115.6	2056.4	1985.3	1947.4	1935.5	2020.8	2170.1	2397.5	2551.5
40°	2362.0	2362.0	2317.0	2234.1	2141.7	2115.6	2068.2	2134.6	2338.3	2700.8	2847.6
42.5°	2516.0	2513.6	2482.8	2397.5	2321.7	2290.9	2269.6	2290.9	2570.5	3027.7	3169.8
45°	2625.0	2639.2	2620.2	2582.3	2546.8	2518.3	2511.2	2558.6	2826.3	3361.7	3423.3
47.5°	2760.0	2771.8	2724.5	2705.5	2707.9	2700.8	2750.5	2878.4	3103.5	3648.4	3660.2
50°	3150.9	3139.0	2982.7	2906.9	2897.4	2928.2	3018.2	3139.0	3418.6	3913.7	3871.1
52.5°	3660.2	3575.0	3304.9	3174.6	3143.8	3191.2	3255.1	3435.2	3816.6	4174.3	4036.9
55°	4143.5	4096.2	3906.6	3572.6	3454.1	3484.9	3541.8	3707.6	4155.4	4389.9	4190.9
57.5°	4489.4	4475.2	4453.9	4299.9	3913.7	3878.2	3885.3	3996.7	4432.6	4631.6	4321.2
60°	4724.0	4759.5	4873.2	4854.3	4799.8	4660.0	4340.2	4302.3	4709.8	4787.9	4420.7
62.5°	4854.3	4873.2	5067.5	5228.6	5524.7	5531.8	5231.0	4650.5	4951.4	4908.8	4461.0
65°	4709.8	4747.7	4994.0	5325.7	6008.0	6100.4	5998.5	5235.7	5162.3	4968.0	4444.4
67.5°	4323.6	4330.7	4615.0	5226.2	6339.7	6387.1	6299.4	5899.0	5233.3	4939.6	4311.7
70°	3738.4	3743.2	4051.1	4844.8	6365.8	6425.0	6299.4	6000.9	5193.1	4844.8	4063.0
72.5°	3025.3	3079.8	3373.6	4209.9	6131.2	6173.9	6098.0	5861.1	5095.9	4674.2	3556.0
75°	2283.8	2302.8	2613.1	3300.1	5484.4	5695.3	5723.7	5610.0	4878.0	4089.1	2738.7
77.5°	1454.6	1475.9	1779.2	2511.2	4508.4	4913.5	5150.4	5136.2	4186.2	3205.4	1627.6
80°	682.3	689.4	1014.0	1708.1	3333.3	3710.0	4108.0	4148.3	3186.4	1779.2	473.8
82.5°	191.9	213.2	388.5	952.4	2122.7	2269.6	2684.2	2518.3	1035.3	210.8	68.7
85°	85.3	90.0	158.7	353.0	826.8	985.5	1153.7	1094.5	120.8	59.2	40.3
87.5°	49.8	52.1	64.0	92.4	127.9	130.3	163.5	144.5	28.4	26.1	14.2
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°	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6	1030.6
2.5°	1035.3	1032.9	1032.9	1030.6	1025.8	1021.1	1016.3	1014.0	1009.2	1009.2	1004.5
5°	1035.3	1032.9	1028.2	1023.4	1014.0	1002.1	990.3	983.2	978.4	973.7	978.4
7.5°	1051.9	1047.1	1037.7	1025.8	1009.2	990.3	973.7	959.5	950.0	947.6	947.6
10°	1077.9	1073.2	1056.6	1035.3	1006.9	978.4	947.6	926.3	912.1	907.4	902.6
12.5°	1104.0	1099.3	1077.9	1044.8	1004.5	957.1	914.5	886.0	862.3	857.6	850.5
15°	1146.6	1137.2	1108.7	1061.4	1002.1	938.2	878.9	836.3	805.5	793.6	786.5
17.5°	1208.2	1198.8	1163.2	1096.9	1016.3	926.3	843.4	774.7	727.3	706.0	701.3
20°	1293.5	1281.7	1231.9	1144.3	1040.0	923.9	810.2	710.7	634.9	597.0	587.5
22.5°	1393.0	1378.8	1317.2	1198.8	1066.1	921.6	777.1	651.5	547.3	485.7	457.2
25°	1502.0	1497.3	1393.0	1243.8	1080.3	905.0	736.8	592.3	447.8	348.3	334.0
27.5°	1639.4	1613.4	1464.1	1274.6	1075.6	869.5	687.0	497.5	310.4	239.3	227.4
30°	1807.6	1743.7	1539.9	1300.6	1054.2	824.4	604.1	345.9	191.9	151.6	146.9
32.5°	1992.4	1888.2	1611.0	1310.1	1018.7	758.1	452.5	203.7	113.7	87.7	87.7
35°	2205.6	2056.4	1686.8	1300.6	954.7	637.3	279.6	109.0	61.6	54.5	54.5
37.5°	2461.5	2276.7	1765.0	1269.8	867.1	476.2	158.7	54.5	49.8	47.4	47.4
40°	2745.8	2539.7	1874.0	1217.7	746.3	315.1	71.1	47.4	47.4	45.0	45.0
42.5°	3020.6	2781.3	2004.3	1151.4	608.9	180.1	54.5	49.8	42.6	40.3	40.3
45°	3269.3	2989.8	2115.6	1070.8	452.5	87.7	56.9	42.6	37.9	37.9	37.9
47.5°	3475.5	3184.1	2196.1	987.9	303.2	61.6	59.2	40.3	35.5	33.2	33.2
50°	3660.2	3321.5	2241.2	881.3	163.5	61.6	52.1	40.3	33.2	33.2	33.2
52.5°	3814.2	3442.3	2250.6	741.5	80.5	61.6	54.5	40.3	30.8	35.5	35.5
55°	3937.4	3511.0	2210.4	585.2	68.7	56.9	54.5	37.9	30.8	37.9	40.3
57.5°	4034.6	3539.4	2125.1	402.7	68.7	54.5	54.5	35.5	28.4	30.8	30.8
60°	4077.2	3541.8	2001.9	225.1	66.3	54.5	52.1	35.5	26.1	21.3	21.3
62.5°	4065.4	3489.7	1788.7	116.1	59.2	52.1	47.4	33.2	21.3	14.2	14.2
65°	3977.7	3354.6	1513.9	85.3	54.5	49.8	45.0	30.8	19.0	11.8	11.8
67.5°	3781.1	3086.9	1113.5	78.2	56.9	47.4	40.3	28.4	16.6	9.5	9.5
70°	3432.8	2615.5	523.6	73.4	59.2	47.4	37.9	26.1	14.2	7.1	7.1
72.5°	2748.1	1795.8	123.2	64.0	56.9	45.0	37.9	21.3	9.5	4.7	4.7
75°	1807.6	831.6	92.4	54.5	52.1	40.3	33.2	23.7	9.5	2.4	2.4
77.5°	788.9	151.6	82.9	42.6	52.1	45.0	28.4	16.6	4.7	0.0	0.0
80°	113.7	85.3	80.5	28.4	47.4	26.1	11.8	4.7	2.4	0.0	0.0
82.5°	59.2	73.4	73.4	16.6	21.3	4.7	4.7	2.4	0.0	0.0	0.0
85°	45.0	66.3	28.4	11.8	4.7	2.4	2.4	2.4	0.0	0.0	0.0
87.5°	14.2	9.5	7.1	4.7	2.4	2.4	2.4	2.4	2.4	0.0	0.0
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)