

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: P511047

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

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511047  
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-C25-D-UNV-T3-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 1650mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10631 lumens  
Efficiency: N/A  
Efficacy: 113.0 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

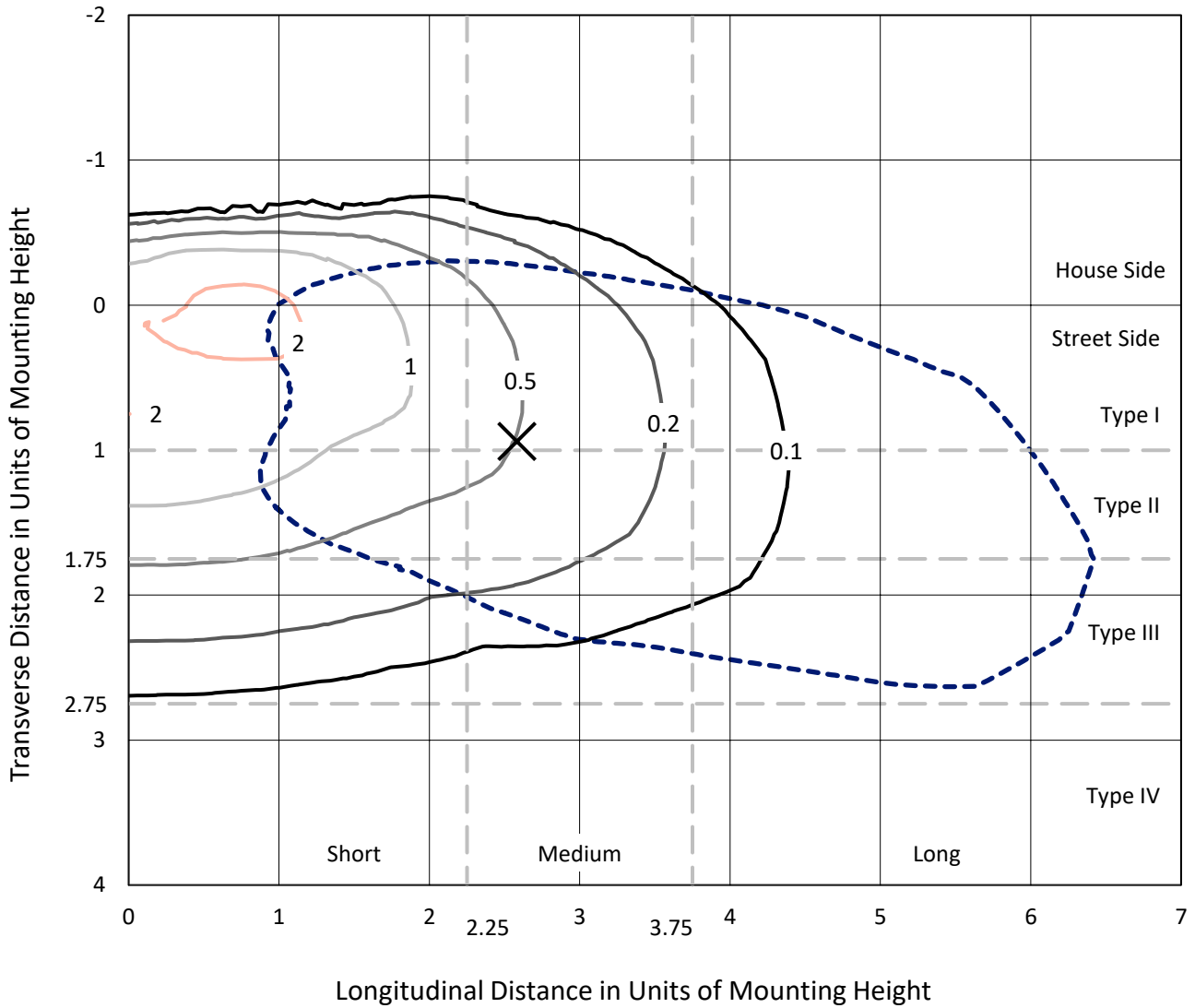
Input Watts (W): 94.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

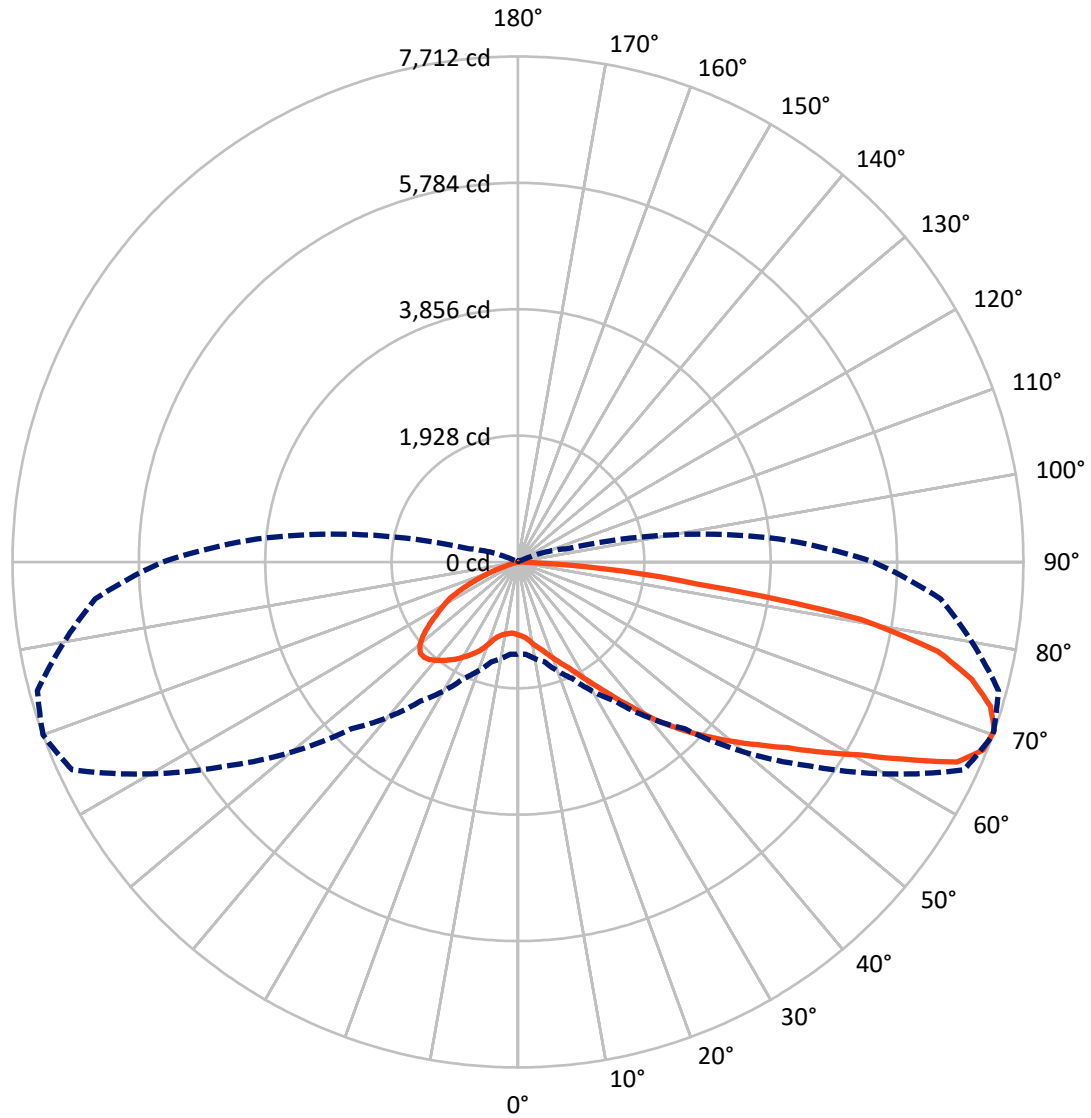
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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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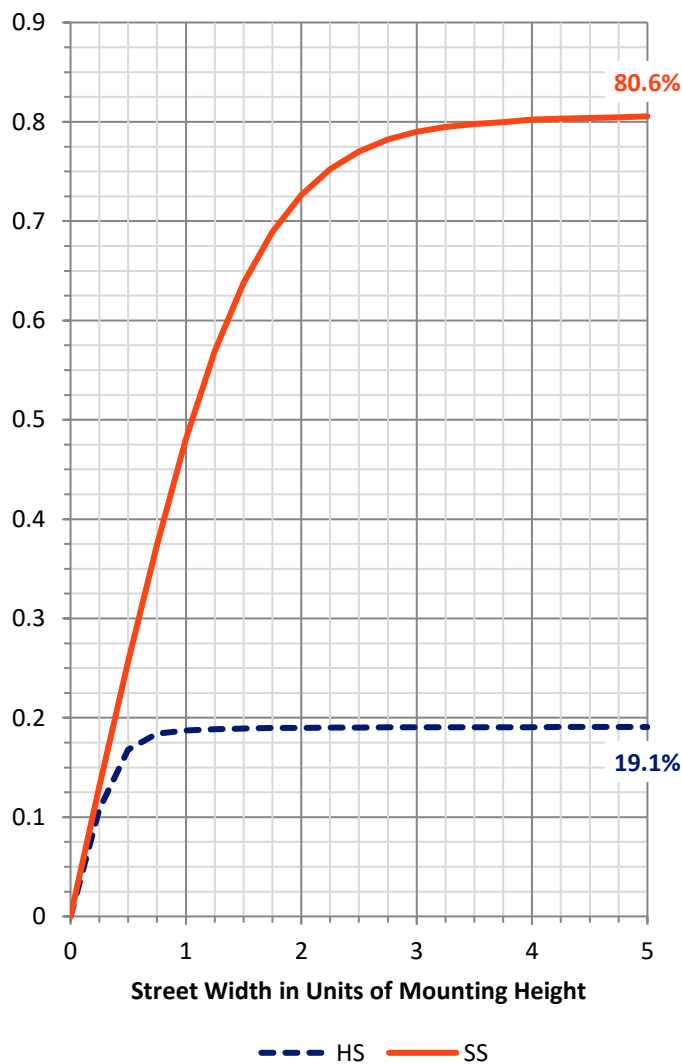
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2049.7	0.0	2049.7
	% Fixture	19.3	0.0	19.3
<b>Street Side</b>	Lumens	8581.3	0.0	8581.3
	% Fixture	80.7	0.0	80.7
<b>Total</b>	Lumens	10631.0	0.0	10631.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.1	1.0
10°-20°	338.0	3.2
20°-30°	620.9	5.8
30°-40°	1038.2	9.8
40°-50°	1624.7	15.3
50°-60°	2214.8	20.8
60°-70°	2578.9	24.3
70°-80°	1803.1	17.0
80°-90°	305.3	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°	10631.0	100.0
0°-180°	10631.0	100.0

**Coefficient of Utilization**

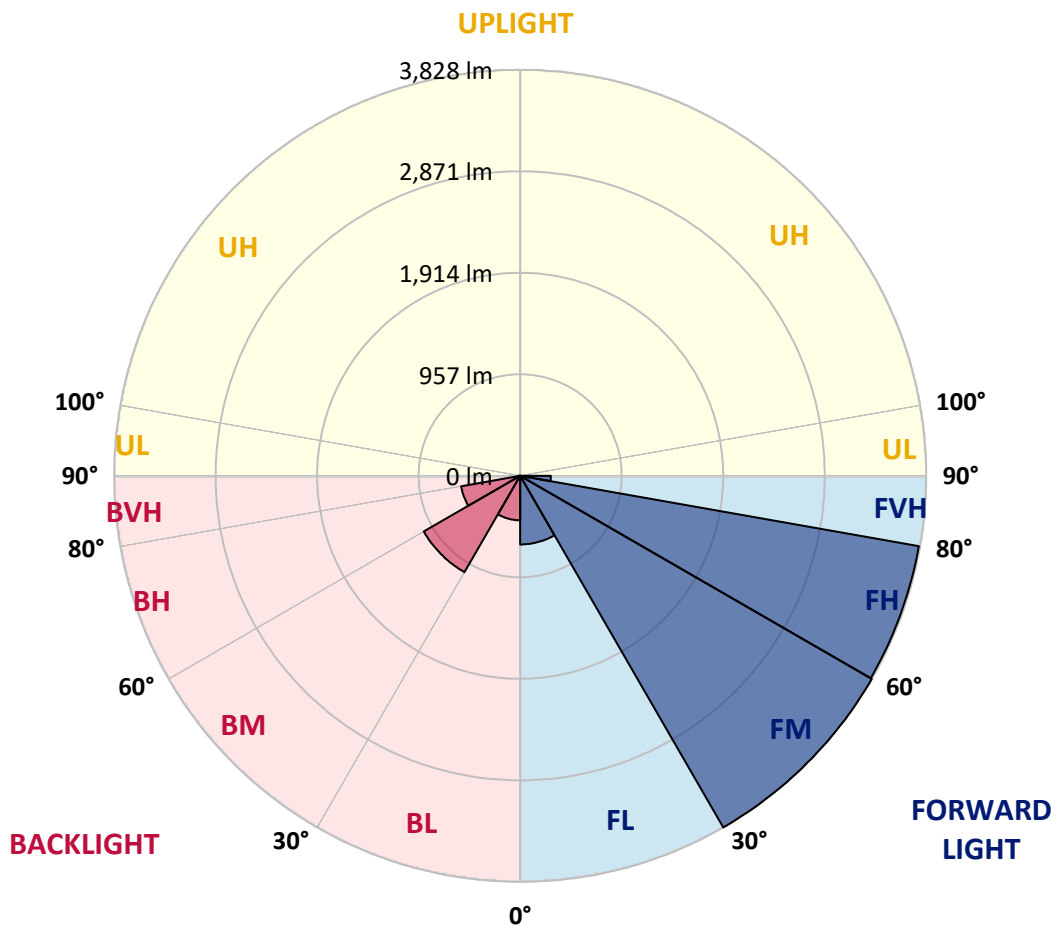


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	647.0	6.1			
FM (30°-60°)	3828.0	36.0			
FH (60°-80°)	3816.7	35.9			G2/5000
FVH (80°-90°)	289.5	2.7			G3/500
BL (0°-30°)	419.0	3.9	B1/500		
BM (30°-60°)	1049.7	9.9	B2/2500		
BH (60°-80°)	565.2	5.3	B2/1000		G2/1000
BVH (80°-90°)	15.8	0.1			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°	1112.4	1112.4	1112.4	1112.4	1112.4	1112.4	1112.4	1112.4	1112.4	1112.4	1112.4
2.5°	1153.4	1160.6	1158.2	1160.6	1158.2	1151.0	1141.3	1131.7	1129.3	1126.9	1119.6
5°	1204.1	1208.9	1204.1	1206.5	1201.7	1192.0	1177.5	1163.1	1158.2	1148.6	1131.7
7.5°	1247.5	1252.3	1252.3	1259.6	1257.2	1252.3	1235.4	1218.6	1204.1	1194.4	1172.7
10°	1293.4	1295.8	1298.2	1307.8	1315.1	1315.1	1300.6	1286.1	1274.1	1257.2	1223.4
12.5°	1322.3	1324.7	1329.6	1341.6	1358.5	1368.2	1360.9	1346.4	1334.4	1319.9	1276.5
15°	1334.4	1336.8	1348.9	1370.6	1394.7	1409.2	1411.6	1401.9	1397.1	1382.6	1339.2
17.5°	1365.7	1370.6	1377.8	1406.8	1426.1	1450.2	1471.9	1486.4	1481.6	1467.1	1421.2
20°	1414.0	1421.2	1426.1	1447.8	1462.3	1505.7	1549.1	1575.7	1573.3	1563.6	1517.8
22.5°	1474.3	1476.7	1481.6	1496.0	1522.6	1570.9	1631.2	1662.5	1677.0	1667.4	1631.2
25°	1541.9	1541.9	1537.1	1558.8	1595.0	1648.1	1720.5	1773.5	1783.2	1790.4	1797.7
27.5°	1621.5	1623.9	1616.7	1636.0	1669.8	1732.5	1821.8	1896.6	1925.6	1935.2	2005.2
30°	1812.2	1809.7	1780.8	1727.7	1768.7	1838.7	1932.8	2058.3	2099.3	2142.7	2273.0
32.5°	2060.7	2055.9	2055.9	1940.0	1874.9	1952.1	2058.3	2217.5	2294.7	2415.4	2562.6
35°	2289.9	2289.9	2282.7	2217.5	2092.1	2075.2	2191.0	2403.3	2531.2	2750.8	2871.4
37.5°	2492.6	2492.6	2504.7	2432.3	2350.2	2258.6	2359.9	2603.6	2794.2	3081.4	3170.7
40°	2678.4	2685.7	2695.3	2659.1	2596.4	2521.6	2531.2	2825.6	3122.4	3436.1	3506.1
42.5°	2811.1	2830.4	2888.3	2844.9	2854.6	2808.7	2733.9	3035.5	3419.2	3730.5	3790.8
45°	2936.6	2943.8	2987.3	3013.8	3079.0	3059.7	3006.6	3250.3	3713.6	4027.3	4039.3
47.5°	3025.9	3025.9	3064.5	3153.8	3272.0	3308.2	3288.9	3491.6	4010.4	4290.3	4302.3
50°	3059.7	3064.5	3151.4	3279.2	3477.1	3549.5	3576.0	3805.3	4319.2	4577.4	4543.6
52.5°	3098.3	3115.2	3228.6	3387.8	3650.8	3795.6	3860.8	4217.9	4642.6	4862.2	4792.2
55°	3117.6	3148.9	3252.7	3450.6	3776.3	4005.6	4114.1	4608.8	5004.5	5154.1	5079.3
57.5°	2968.0	3018.6	3206.9	3453.0	3855.9	4176.9	4394.0	5048.0	5475.1	5516.1	5315.8
60°	2762.9	2787.0	3006.6	3395.1	3834.2	4314.4	4717.4	5574.0	5967.3	5984.2	5605.4
62.5°	2538.5	2538.5	2753.2	3199.6	3735.3	4333.7	5011.8	6230.3	6630.9	6488.5	5909.4
65°	2241.7	2258.6	2470.9	2878.7	3513.3	4256.5	5236.2	6877.0	7359.6	7224.5	6211.0
67.5°	1870.1	1884.5	2075.2	2461.2	3098.3	4027.3	5388.2	7359.6	7656.4	7535.7	6440.3
70°	1404.4	1414.0	1578.1	1961.8	2591.5	3600.2	5426.8	7506.8	7711.9	7591.2	6474.0
72.5°	793.9	769.7	960.4	1290.9	1874.9	2926.9	5277.2	7422.3	7538.2	7405.4	6213.4
75°	120.6	142.4	205.1	475.4	962.8	1920.7	4659.5	7019.4	7149.7	6992.8	5733.2
77.5°	86.9	89.3	115.8	173.7	292.0	704.6	2968.0	6312.4	6548.8	6358.2	4970.7
80°	62.7	62.7	82.0	123.1	197.9	272.7	1146.2	4686.0	5301.3	5228.9	3720.8
82.5°	43.4	45.8	57.9	89.3	137.5	193.0	330.6	2244.1	2762.9	2837.7	1829.0
85°	29.0	29.0	41.0	62.7	91.7	118.2	132.7	967.6	1310.2	1363.3	764.9
87.5°	16.9	16.9	24.1	38.6	57.9	72.4	65.2	77.2	67.6	62.7	33.8
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°	1112.4	1112.4	1112.4	1112.4	1112.4	1112.4	1112.4	1112.4	1112.4	1112.4	1112.4
2.5°	1114.8	1110.0	1100.3	1093.1	1083.4	1071.4	1059.3	1054.5	1042.4	1040.0	1032.8
5°	1124.5	1114.8	1097.9	1078.6	1054.5	1030.3	1003.8	989.3	977.3	967.6	974.8
7.5°	1158.2	1141.3	1114.8	1081.0	1040.0	1001.4	967.6	938.7	921.8	914.5	914.5
10°	1204.1	1182.4	1138.9	1088.3	1032.8	982.1	931.4	892.8	866.3	854.2	851.8
12.5°	1254.8	1228.2	1170.3	1100.3	1032.8	962.8	904.9	851.8	815.6	798.7	796.3
15°	1307.8	1278.9	1208.9	1129.3	1049.6	967.6	888.0	818.0	767.3	738.4	736.0
17.5°	1387.5	1353.7	1271.6	1187.2	1090.7	986.9	883.2	781.8	702.2	663.6	658.7
20°	1484.0	1450.2	1377.8	1266.8	1138.9	1001.4	856.6	726.3	632.2	581.5	581.5
22.5°	1607.0	1609.5	1503.3	1341.6	1167.9	991.7	825.2	666.0	538.1	472.9	468.1
25°	1797.7	1785.6	1621.5	1399.5	1182.4	960.4	764.9	557.4	407.8	345.1	333.0
27.5°	2017.3	1954.5	1730.1	1445.4	1170.3	924.2	670.8	417.4	272.7	217.2	209.9
30°	2234.4	2145.1	1836.3	1488.8	1146.2	847.0	518.8	260.6	173.7	144.8	140.0
32.5°	2492.6	2367.1	1961.8	1520.2	1117.2	728.7	349.9	164.1	113.4	96.5	91.7
35°	2777.3	2591.5	2089.6	1532.2	1059.3	571.9	202.7	101.3	70.0	70.0	72.4
37.5°	3071.7	2869.0	2232.0	1529.8	958.0	381.3	125.5	57.9	57.9	70.0	74.8
40°	3358.9	3110.3	2381.6	1510.5	801.1	219.6	65.2	48.3	53.1	65.2	67.6
42.5°	3631.5	3327.5	2538.5	1471.9	596.0	123.1	50.7	45.8	50.7	55.5	55.5
45°	3872.8	3564.0	2666.3	1414.0	374.0	65.2	48.3	43.4	43.4	45.8	48.3
47.5°	4085.2	3761.8	2774.9	1300.6	200.3	60.3	45.8	41.0	38.6	41.0	41.0
50°	4297.5	3935.6	2818.4	1119.6	94.1	60.3	45.8	38.6	36.2	43.4	43.4
52.5°	4502.6	4133.4	2803.9	878.3	67.6	55.5	43.4	38.6	36.2	45.8	48.3
55°	4724.6	4324.1	2779.8	557.4	67.6	53.1	41.0	33.8	33.8	33.8	36.2
57.5°	4937.0	4495.4	2738.7	234.1	65.2	48.3	36.2	29.0	26.5	29.0	29.0
60°	5168.6	4686.0	2560.2	94.1	62.7	43.4	31.4	26.5	21.7	24.1	24.1
62.5°	5414.7	4806.7	2246.5	74.8	57.9	38.6	26.5	21.7	19.3	19.3	21.7
65°	5598.1	4809.1	1766.3	65.2	55.5	33.8	24.1	19.3	16.9	16.9	16.9
67.5°	5619.8	4531.6	1288.5	57.9	50.7	29.0	19.3	16.9	14.5	12.1	14.5
70°	5422.0	4003.1	786.6	55.5	43.4	24.1	16.9	14.5	12.1	9.7	12.1
72.5°	5031.1	3412.0	308.9	50.7	38.6	19.3	14.5	14.5	9.7	7.2	7.2
75°	4415.8	2663.9	77.2	45.8	33.8	16.9	12.1	12.1	9.7	4.8	4.8
77.5°	3547.1	1566.0	57.9	38.6	29.0	12.1	9.7	9.7	4.8	4.8	4.8
80°	1981.1	591.2	43.4	26.5	16.9	9.7	4.8	4.8	4.8	4.8	4.8
82.5°	786.6	123.1	31.4	14.5	9.7	4.8	2.4	2.4	2.4	4.8	4.8
85°	168.9	38.6	19.3	9.7	4.8	2.4	2.4	2.4	2.4	2.4	4.8
87.5°	12.1	12.1	7.2	7.2	4.8	2.4	2.4	2.4	2.4	2.4	2.4
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)