

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: P510999

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

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510999
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-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 1300mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8805 lumens
Efficiency: N/A
Efficacy: 120.9 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

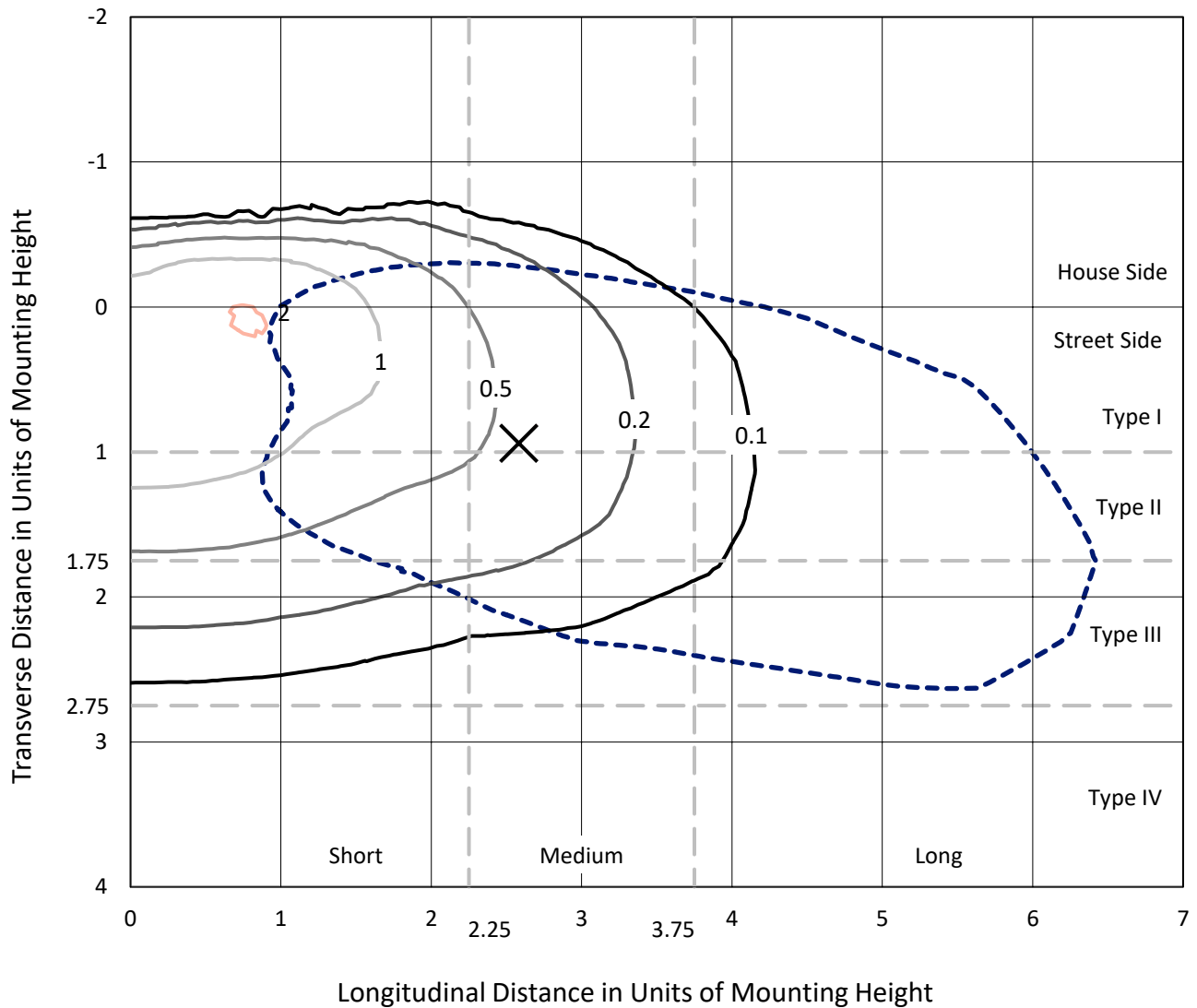
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

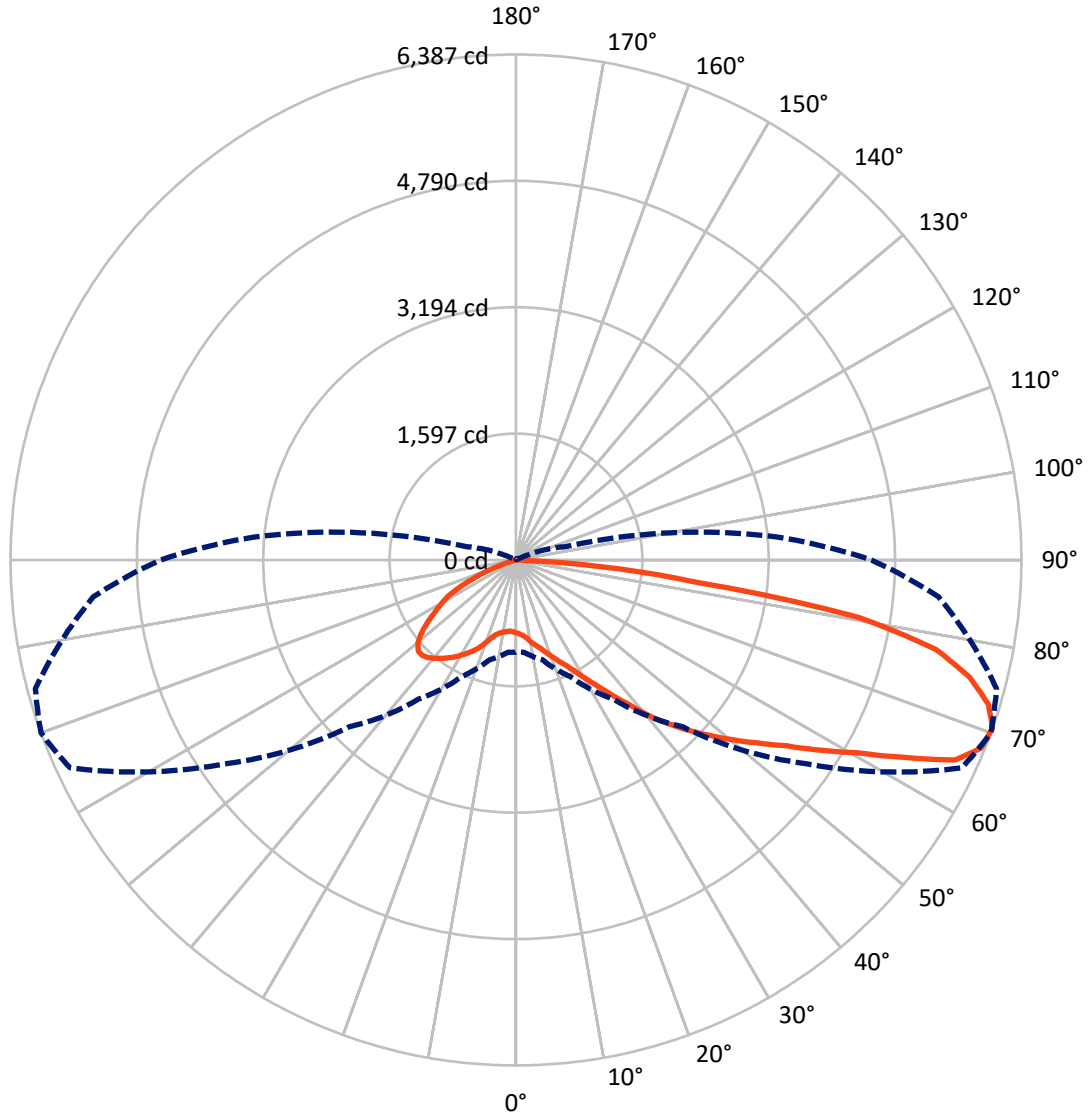
✕ Max cd
 - - - 1/2 Max cd



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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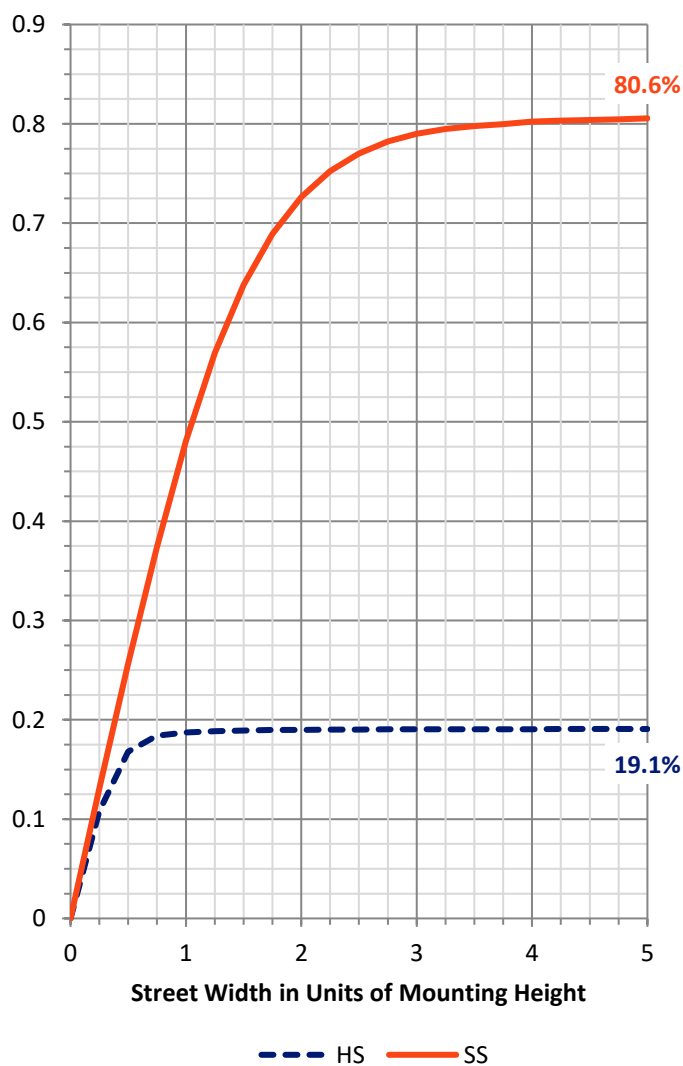
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1697.7	0.0	1697.7
	% Fixture	19.3	0.0	19.3
Street Side	Lumens	7107.4	0.0	7107.4
	% Fixture	80.7	0.0	80.7
Total	Lumens	8805.0	0.0	8805.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	1.0
10°-20°	279.9	3.2
20°-30°	514.3	5.8
30°-40°	859.9	9.8
40°-50°	1345.7	15.3
50°-60°	1834.4	20.8
60°-70°	2135.9	24.3
70°-80°	1493.4	17.0
80°-90°	252.9	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°	8805.0	100.0
0°-180°	8805.0	100.0

Coefficient of Utilization



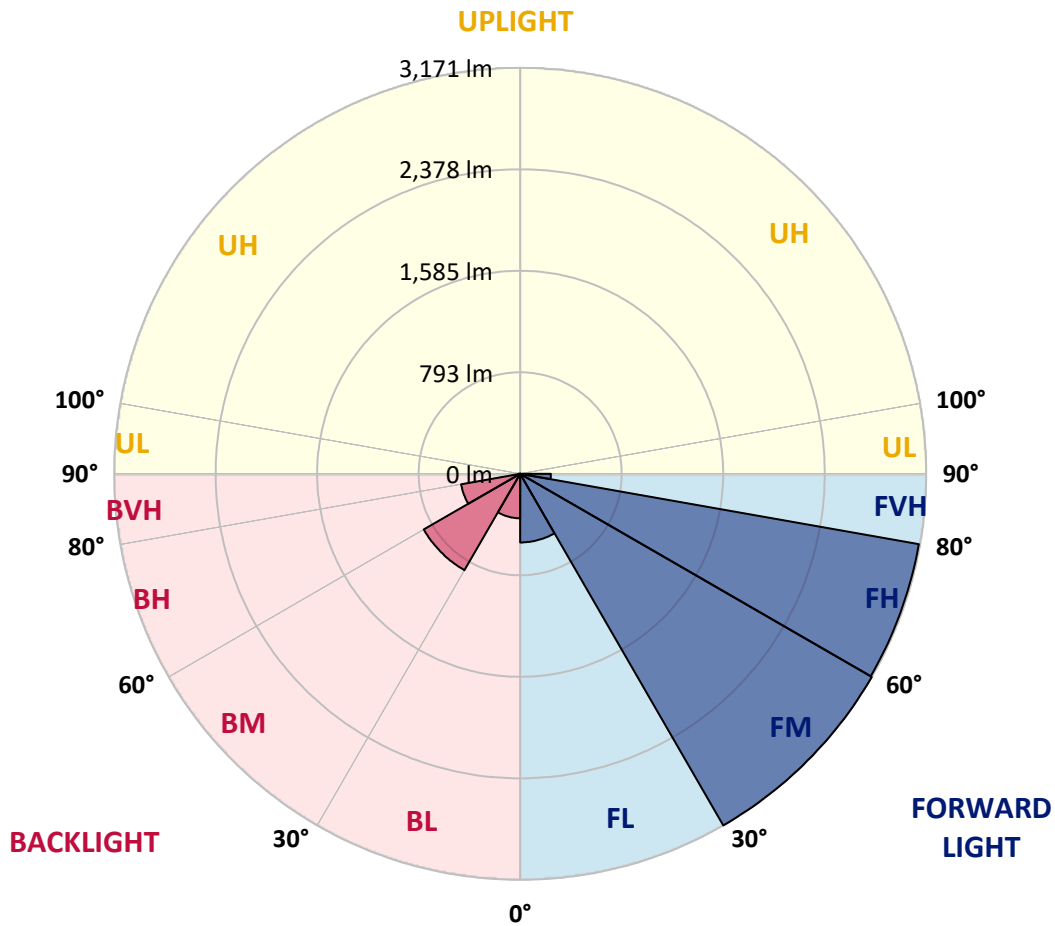
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	535.9	6.1			
FM (30°-60°)	3170.5	36.0			
FH (60°-80°)	3161.2	35.9			G2/5000
FVH (80°-90°)	239.8	2.7			G3/500
BL (0°-30°)	347.0	3.9	B1/500		
BM (30°-60°)	869.4	9.9	B1/1000		
BH (60°-80°)	468.1	5.3	B1/500		G1/500
BVH (80°-90°)	13.1	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°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3
2.5°	955.3	961.3	959.3	961.3	959.3	953.3	945.3	937.3	935.3	933.3	927.3
5°	997.3	1001.3	997.3	999.3	995.3	987.3	975.3	963.3	959.3	951.3	937.3
7.5°	1033.2	1037.2	1037.2	1043.2	1041.2	1037.2	1023.2	1009.3	997.3	989.3	971.3
10°	1071.2	1073.2	1075.2	1083.2	1089.2	1089.2	1077.2	1065.2	1055.2	1041.2	1013.3
12.5°	1095.2	1097.2	1101.2	1111.2	1125.2	1133.2	1127.2	1115.2	1105.2	1093.2	1057.2
15°	1105.2	1107.2	1117.2	1135.2	1155.1	1167.1	1169.1	1161.1	1157.1	1145.2	1109.2
17.5°	1131.2	1135.2	1141.2	1165.1	1181.1	1201.1	1219.1	1231.1	1227.1	1215.1	1177.1
20°	1171.1	1177.1	1181.1	1199.1	1211.1	1247.1	1283.1	1305.0	1303.0	1295.0	1257.1
22.5°	1221.1	1223.1	1227.1	1239.1	1261.1	1301.0	1351.0	1377.0	1389.0	1381.0	1351.0
25°	1277.1	1277.1	1273.1	1291.0	1321.0	1365.0	1424.9	1468.9	1476.9	1482.9	1488.9
27.5°	1343.0	1345.0	1339.0	1355.0	1383.0	1434.9	1508.9	1570.8	1594.8	1602.8	1660.8
30°	1500.9	1498.9	1474.9	1430.9	1464.9	1522.9	1600.8	1704.7	1738.7	1774.7	1882.6
32.5°	1706.7	1702.7	1702.7	1606.8	1552.9	1616.8	1704.7	1836.6	1900.6	2000.5	2122.4
35°	1896.6	1896.6	1890.6	1836.6	1732.7	1718.7	1814.7	1990.5	2096.5	2278.3	2378.2
37.5°	2064.5	2064.5	2074.5	2014.5	1946.6	1870.6	1954.6	2156.4	2314.3	2552.1	2626.1
40°	2218.4	2224.4	2232.4	2202.4	2150.4	2088.5	2096.5	2340.3	2586.1	2845.9	2903.9
42.5°	2328.3	2344.3	2392.2	2356.3	2364.3	2326.3	2264.3	2514.1	2831.9	3089.7	3139.7
45°	2432.2	2438.2	2474.2	2496.2	2550.1	2534.1	2490.2	2692.0	3075.7	3335.5	3345.5
47.5°	2506.1	2506.1	2538.1	2612.1	2710.0	2740.0	2724.0	2891.9	3321.5	3553.4	3563.4
50°	2534.1	2538.1	2610.1	2716.0	2879.9	2939.8	2961.8	3151.7	3577.4	3791.2	3763.2
52.5°	2566.1	2580.1	2674.0	2805.9	3023.8	3143.7	3197.6	3493.4	3845.2	4027.0	3969.1
55°	2582.1	2608.1	2694.0	2857.9	3127.7	3317.6	3407.5	3817.2	4144.9	4268.8	4206.9
57.5°	2458.2	2500.2	2656.0	2859.9	3193.6	3459.4	3639.3	4180.9	4534.7	4568.6	4402.7
60°	2288.3	2308.3	2490.2	2811.9	3175.7	3573.4	3907.1	4616.6	4942.4	4956.3	4642.6
62.5°	2102.4	2102.4	2280.3	2650.0	3093.7	3589.4	4150.9	5160.2	5491.9	5374.0	4894.4
65°	1856.6	1870.6	2046.5	2384.2	2909.9	3525.4	4336.8	5695.8	6095.5	5983.6	5144.2
67.5°	1548.9	1560.8	1718.7	2038.5	2566.1	3335.5	4462.7	6095.5	6341.3	6241.4	5334.1
70°	1163.1	1171.1	1307.0	1624.8	2146.4	2981.8	4494.7	6217.4	6387.3	6287.4	5362.0
72.5°	657.5	637.5	795.4	1069.2	1552.9	2424.2	4370.8	6147.5	6243.4	6133.5	5146.2
75°	99.9	117.9	169.9	393.7	797.4	1590.8	3859.2	5813.7	5921.6	5791.7	4748.5
77.5°	71.9	73.9	95.9	143.9	241.8	583.6	2458.2	5228.1	5424.0	5266.1	4117.0
80°	52.0	52.0	67.9	101.9	163.9	225.8	949.3	3881.1	4390.8	4330.8	3081.7
82.5°	36.0	38.0	48.0	73.9	113.9	159.9	273.8	1858.6	2288.3	2350.3	1514.9
85°	24.0	24.0	34.0	52.0	75.9	97.9	109.9	801.4	1085.2	1129.2	633.5
87.5°	14.0	14.0	20.0	32.0	48.0	60.0	54.0	64.0	56.0	52.0	28.0
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°	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3	921.3
2.5°	923.3	919.3	911.3	905.3	897.3	887.3	877.4	873.4	863.4	861.4	855.4
5°	931.3	923.3	909.3	893.3	873.4	853.4	831.4	819.4	809.4	801.4	807.4
7.5°	959.3	945.3	923.3	895.3	861.4	829.4	801.4	777.4	763.4	757.4	757.4
10°	997.3	979.3	943.3	901.3	855.4	813.4	771.4	739.5	717.5	707.5	705.5
12.5°	1039.2	1017.2	969.3	911.3	855.4	797.4	749.4	705.5	675.5	661.5	659.5
15°	1083.2	1059.2	1001.3	935.3	869.4	801.4	735.5	677.5	635.5	611.5	609.6
17.5°	1149.2	1121.2	1053.2	983.3	903.3	817.4	731.5	647.5	581.6	549.6	545.6
20°	1229.1	1201.1	1141.2	1049.2	943.3	829.4	709.5	601.6	523.6	481.6	481.6
22.5°	1331.0	1333.0	1245.1	1111.2	967.3	821.4	683.5	551.6	445.7	391.7	387.7
25°	1488.9	1478.9	1343.0	1159.1	979.3	795.4	633.5	461.7	337.8	285.8	275.8
27.5°	1670.8	1618.8	1432.9	1197.1	969.3	765.4	555.6	345.7	225.8	179.9	173.9
30°	1850.6	1776.7	1520.9	1233.1	949.3	701.5	429.7	215.8	143.9	119.9	115.9
32.5°	2064.5	1960.6	1624.8	1259.1	925.3	603.6	289.8	135.9	93.9	79.9	75.9
35°	2300.3	2146.4	1730.7	1269.1	877.4	473.7	167.9	83.9	58.0	58.0	60.0
37.5°	2544.1	2376.2	1848.6	1267.1	793.4	315.8	103.9	48.0	48.0	58.0	62.0
40°	2781.9	2576.1	1972.5	1251.1	663.5	181.9	54.0	40.0	44.0	54.0	56.0
42.5°	3007.8	2756.0	2102.4	1219.1	493.6	101.9	42.0	38.0	42.0	46.0	46.0
45°	3207.6	2951.8	2208.4	1171.1	309.8	54.0	40.0	36.0	36.0	38.0	40.0
47.5°	3383.5	3115.7	2298.3	1077.2	165.9	50.0	38.0	34.0	32.0	34.0	34.0
50°	3559.4	3259.6	2334.3	927.3	77.9	50.0	38.0	32.0	30.0	36.0	36.0
52.5°	3729.2	3423.5	2322.3	727.5	56.0	46.0	36.0	32.0	30.0	38.0	40.0
55°	3913.1	3581.4	2302.3	461.7	56.0	44.0	34.0	28.0	28.0	28.0	30.0
57.5°	4089.0	3723.3	2268.3	193.9	54.0	40.0	30.0	24.0	22.0	24.0	24.0
60°	4280.8	3881.1	2120.4	77.9	52.0	36.0	26.0	22.0	18.0	20.0	20.0
62.5°	4484.7	3981.1	1860.6	62.0	48.0	32.0	22.0	18.0	16.0	16.0	18.0
65°	4636.6	3983.1	1462.9	54.0	46.0	28.0	20.0	16.0	14.0	14.0	14.0
67.5°	4654.6	3753.2	1067.2	48.0	42.0	24.0	16.0	14.0	12.0	10.0	12.0
70°	4490.7	3315.6	651.5	46.0	36.0	20.0	14.0	12.0	10.0	8.0	10.0
72.5°	4166.9	2825.9	255.8	42.0	32.0	16.0	12.0	12.0	8.0	6.0	6.0
75°	3657.3	2206.4	64.0	38.0	28.0	14.0	10.0	10.0	8.0	4.0	4.0
77.5°	2937.8	1297.0	48.0	32.0	24.0	10.0	8.0	8.0	4.0	4.0	4.0
80°	1640.8	489.6	36.0	22.0	14.0	8.0	4.0	4.0	4.0	4.0	4.0
82.5°	651.5	101.9	26.0	12.0	8.0	4.0	2.0	2.0	2.0	4.0	4.0
85°	139.9	32.0	16.0	8.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0
87.5°	10.0	10.0	6.0	6.0	4.0	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)