

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: P510885

Luminaire Tested: **PRV-P-C10-D-UNV-T2-7030-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-C10-D-UNV-T2-7030-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 600mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4393 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

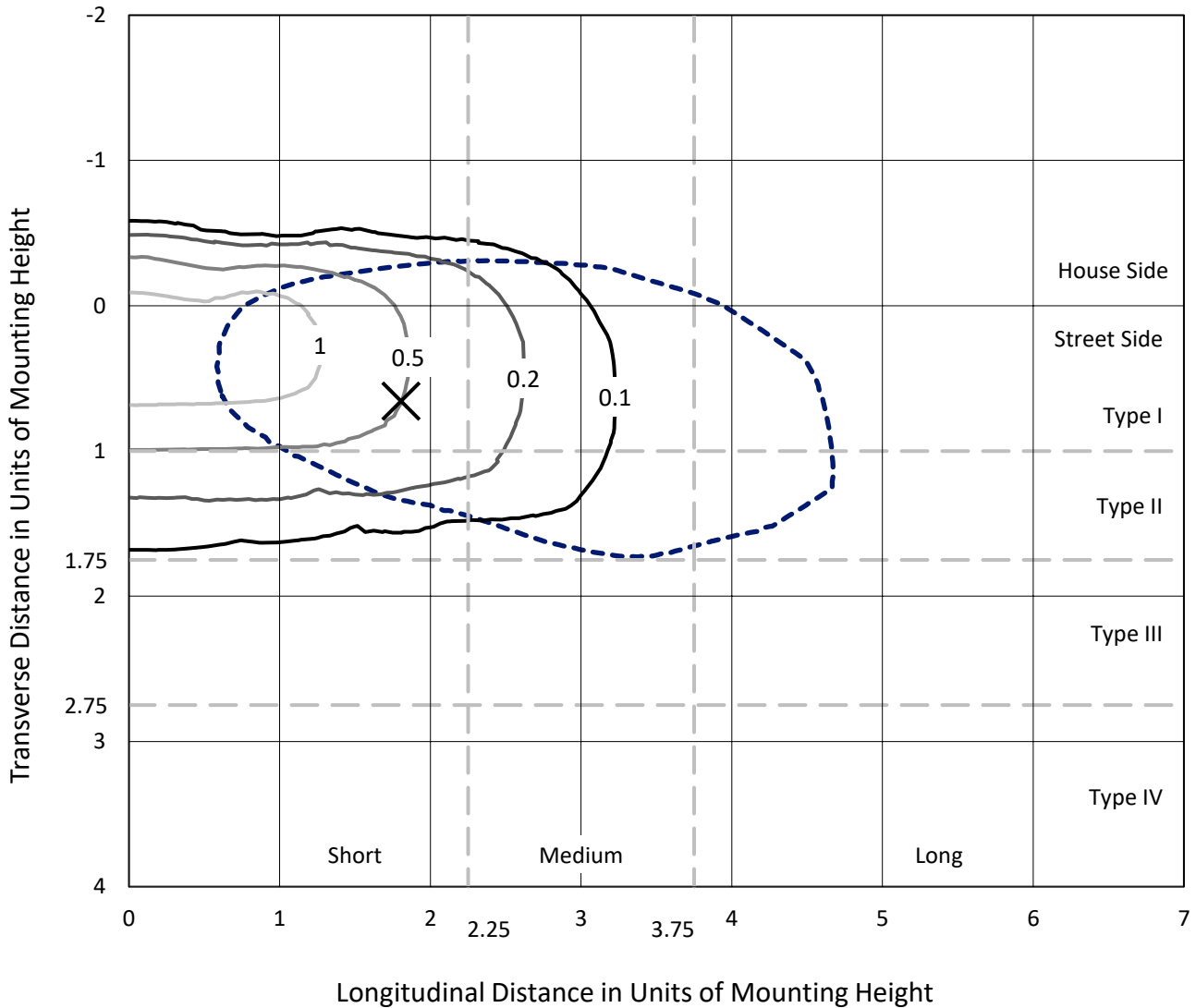
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

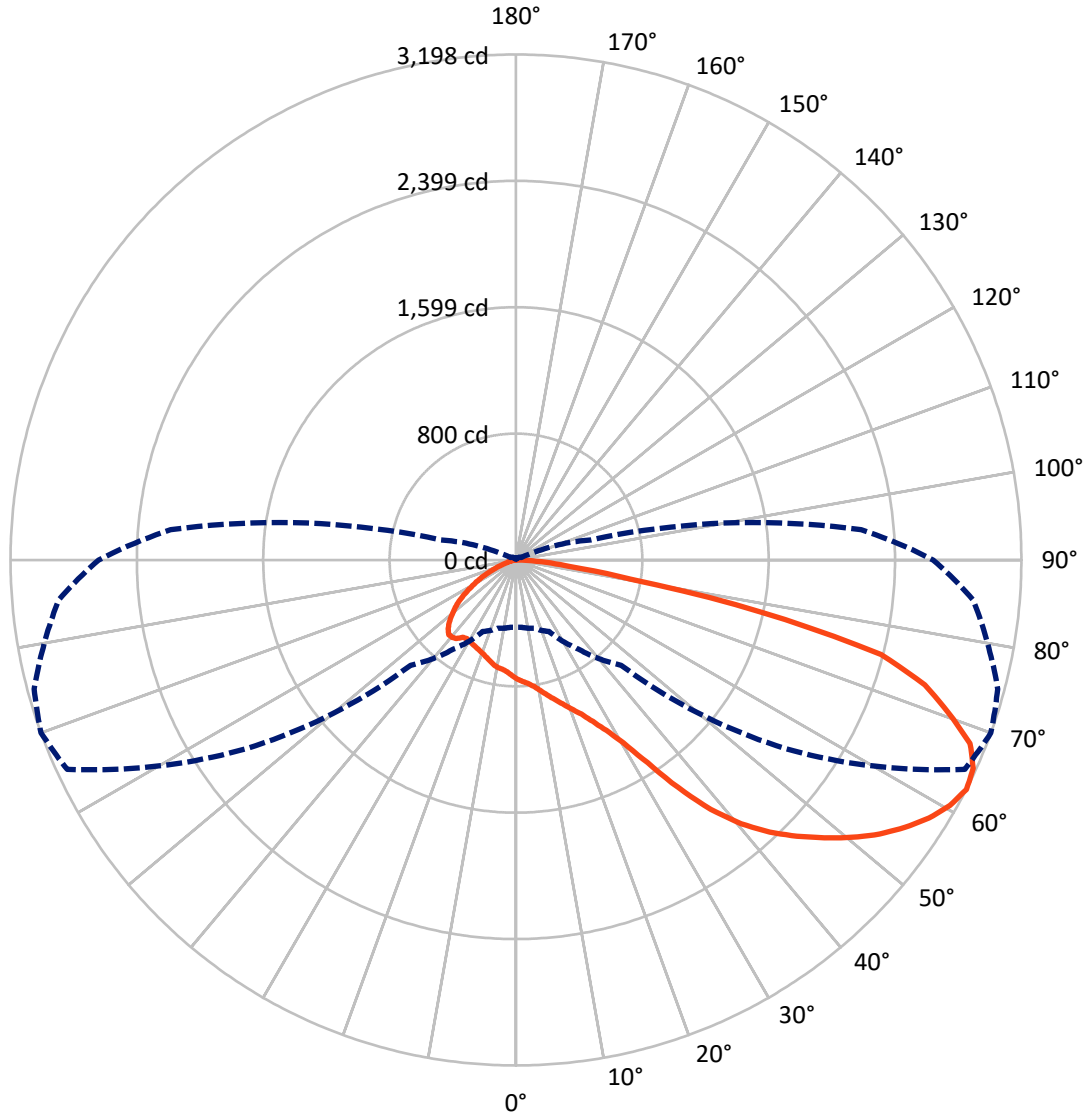
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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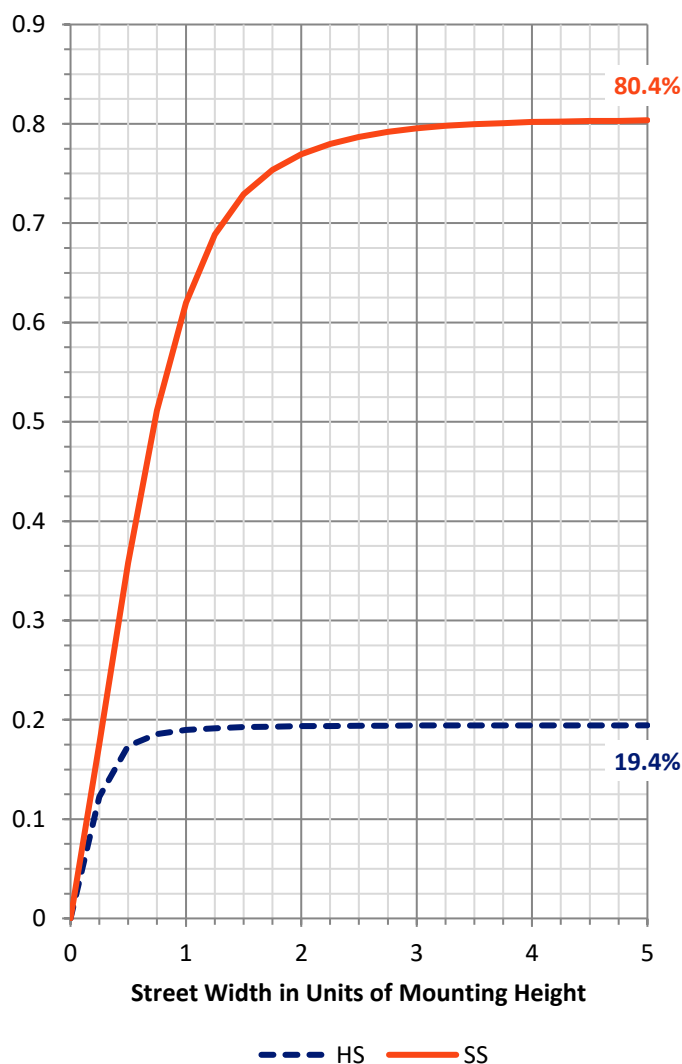
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	864.2	0.0	864.2
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	3528.8	0.0	3528.8
	% Fixture	80.3	0.0	80.3
Total	Lumens	4393.0	0.0	4393.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	1.6
10°-20°	215.4	4.9
20°-30°	364.2	8.3
30°-40°	558.3	12.7
40°-50°	778.5	17.7
50°-60°	906.8	20.6
60°-70°	890.8	20.3
70°-80°	535.9	12.2
80°-90°	71.4	1.6
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°	4393.0	100.0
0°-180°	4393.0	100.0

Coefficient of Utilization

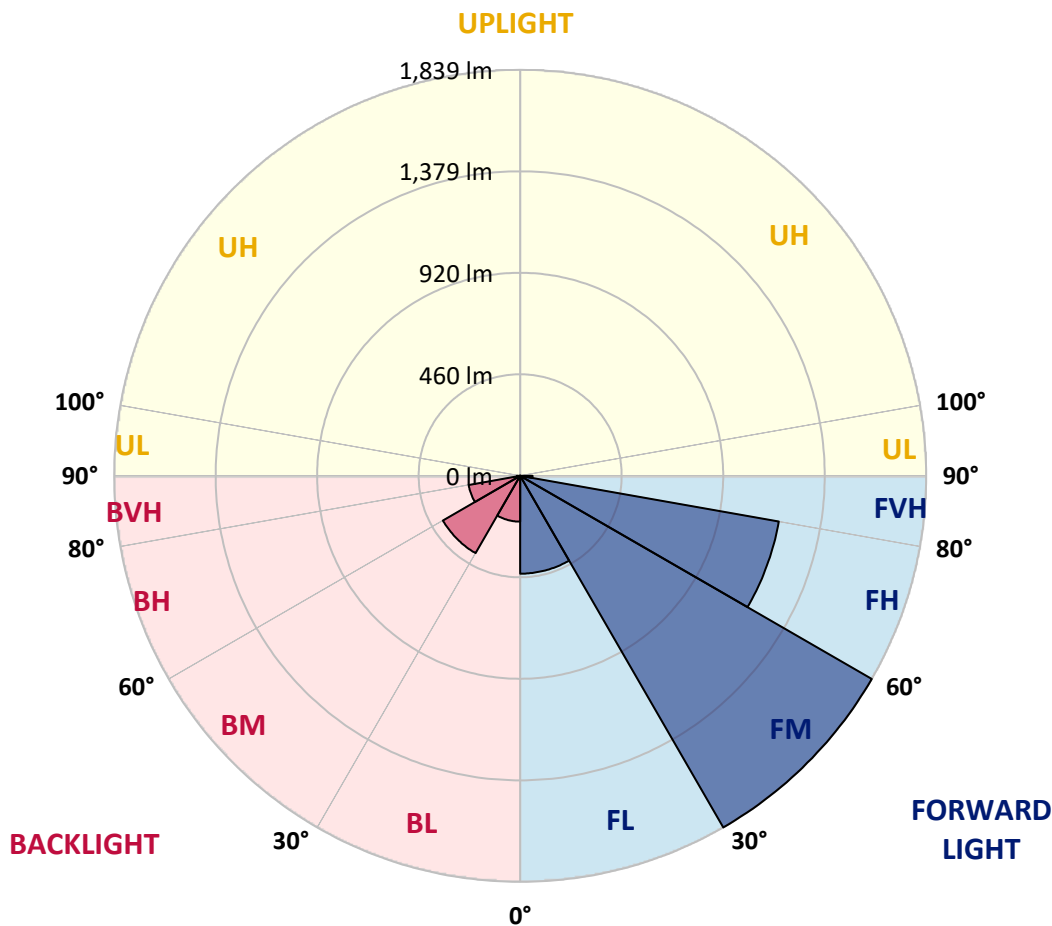


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	443.4	10.1			
FM (30°-60°)	1839.3	41.9			
FH (60°-80°)	1189.7	27.1			G1/1800
FVH (80°-90°)	56.4	1.3			G1/100
BL (0°-30°)	207.7	4.7	B1/500		
BM (30°-60°)	404.3	9.2	B1/1000		
BH (60°-80°)	237.1	5.4	B1/500		G1/500
BVH (80°-90°)	15.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1
2.5°	805.2	805.2	802.2	798.3	794.4	789.4	781.6	773.7	768.8	764.9	755.1
5°	861.1	859.2	853.3	842.5	829.7	818.9	806.1	790.4	783.6	774.7	757.0
7.5°	907.3	906.3	899.4	892.5	881.7	867.0	843.5	816.0	807.1	795.3	766.9
10°	951.5	951.5	946.5	938.7	926.9	913.2	891.6	861.1	839.5	820.9	782.6
12.5°	989.8	989.8	982.9	976.0	965.2	950.5	929.9	897.5	874.9	854.3	799.3
15°	1031.0	1028.0	1021.2	1017.2	1001.5	988.8	970.1	935.7	915.1	887.6	818.9
17.5°	1072.2	1068.3	1059.5	1055.5	1042.8	1028.0	1012.3	981.9	957.4	925.9	846.4
20°	1103.7	1101.7	1095.8	1094.8	1087.9	1070.3	1059.5	1029.0	1005.5	970.1	876.8
22.5°	1140.0	1139.0	1136.1	1131.1	1133.1	1128.2	1113.5	1087.0	1059.5	1027.1	920.0
25°	1155.7	1156.7	1162.6	1174.4	1183.2	1182.2	1173.4	1153.7	1132.1	1093.8	973.1
27.5°	1164.5	1164.5	1174.4	1204.8	1242.1	1245.0	1241.1	1238.2	1220.5	1178.3	1044.7
30°	1166.5	1167.5	1187.1	1228.4	1288.3	1314.8	1324.6	1345.2	1341.3	1313.8	1154.7
32.5°	1149.8	1151.8	1179.3	1239.2	1321.6	1380.5	1413.0	1505.2	1529.8	1531.8	1386.4
35°	1090.9	1092.9	1140.0	1228.4	1347.2	1446.3	1525.9	1691.8	1767.4	1783.1	1608.3
37.5°	1033.0	1040.8	1095.8	1207.7	1363.9	1509.2	1651.6	1914.7	2001.1	1990.3	1785.1
40°	985.8	991.7	1047.7	1173.4	1364.8	1569.1	1785.1	2109.1	2193.6	2160.2	1941.2
42.5°	930.8	935.7	988.8	1128.2	1351.1	1619.1	1906.8	2293.7	2352.6	2318.3	2086.5
45°	867.0	872.9	926.9	1060.4	1322.6	1651.6	2015.8	2437.1	2493.0	2464.6	2219.1
47.5°	812.0	816.9	867.0	989.8	1267.6	1660.4	2122.9	2591.2	2626.6	2590.2	2337.9
50°	636.3	665.7	798.3	926.9	1181.2	1641.7	2211.2	2722.8	2758.2	2723.8	2447.9
52.5°	559.7	562.6	616.6	860.1	1075.2	1587.7	2279.0	2837.7	2881.9	2836.7	2567.7
55°	522.4	525.3	552.8	748.2	985.8	1497.4	2324.2	2953.5	2986.0	2933.9	2673.7
57.5°	490.0	495.9	524.3	595.0	895.5	1334.4	2324.2	3049.8	3081.2	3018.4	2761.1
60°	453.6	457.6	490.9	542.0	795.3	1116.4	2239.7	3122.4	3154.8	3099.9	2844.6
62.5°	424.2	428.1	447.7	499.8	687.3	941.6	2079.7	3133.2	3198.0	3155.8	2904.5
65°	387.8	390.8	413.4	458.5	615.7	820.9	1865.6	3076.3	3179.4	3171.5	2937.8
67.5°	342.7	348.6	371.2	411.4	532.2	723.7	1531.8	3008.5	3098.9	3104.8	2866.2
70°	286.7	290.6	314.2	356.4	445.8	609.8	1137.0	2833.8	2905.4	2952.6	2711.0
72.5°	224.9	228.8	253.3	292.6	360.4	506.7	835.6	2557.8	2706.1	2736.5	2422.3
75°	32.4	41.2	81.5	159.1	288.7	392.8	548.9	1964.8	2386.0	2406.6	2049.2
77.5°	19.6	20.6	31.4	49.1	86.4	263.1	365.3	1005.5	1586.7	1860.7	1602.5
80°	14.7	15.7	24.5	38.3	56.0	74.6	176.7	552.8	739.4	1041.8	1061.4
82.5°	7.9	8.8	16.7	27.5	34.4	32.4	74.6	241.5	341.7	436.0	534.2
85°	4.9	4.9	8.8	14.7	13.7	16.7	34.4	125.7	193.4	247.4	267.1
87.5°	2.0	2.0	2.9	4.9	4.9	3.9	5.9	29.5	38.3	47.1	29.5
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°	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1	752.1
2.5°	750.2	745.3	736.4	725.6	716.8	709.9	705.0	702.1	697.1	699.1	701.1
5°	747.2	737.4	718.7	701.1	684.4	670.6	657.9	649.0	642.2	639.2	638.2
7.5°	752.1	736.4	708.9	683.4	658.9	633.3	618.6	600.9	591.1	589.1	587.2
10°	762.0	744.3	708.9	671.6	634.3	599.9	573.4	554.8	539.1	532.2	529.2
12.5°	771.8	746.2	701.1	653.0	603.9	561.6	527.3	497.8	481.1	479.2	474.3
15°	784.5	752.1	688.3	628.4	568.5	516.5	479.2	452.7	434.0	431.1	430.1
17.5°	803.2	762.0	680.5	603.9	534.2	474.3	440.9	422.2	393.7	392.8	387.8
20°	826.8	778.6	678.5	577.4	499.8	438.9	404.5	386.9	356.4	343.7	341.7
22.5°	860.1	800.2	677.5	554.8	468.4	408.5	367.2	335.8	302.4	273.9	268.1
25°	900.4	826.8	679.5	536.1	437.9	375.1	314.2	257.3	222.9	197.4	187.5
27.5°	951.5	862.1	682.4	517.5	407.5	330.9	244.5	183.6	153.2	136.5	132.6
30°	1039.8	912.2	686.3	497.8	375.1	267.1	167.9	132.6	107.0	88.4	88.4
32.5°	1222.5	1047.7	694.2	479.2	335.8	198.3	121.8	90.3	66.8	57.0	58.9
35°	1432.6	1232.3	730.5	453.6	282.8	131.6	82.5	55.0	42.2	44.2	46.1
37.5°	1605.4	1375.6	816.9	428.1	213.1	92.3	50.1	38.3	38.3	39.3	46.1
40°	1748.8	1514.1	877.8	391.8	140.4	57.0	32.4	35.3	33.4	34.4	32.4
42.5°	1893.1	1630.0	925.9	343.7	90.3	34.4	29.5	33.4	31.4	31.4	27.5
45°	2014.9	1735.0	950.5	273.9	51.1	28.5	27.5	31.4	30.4	29.5	25.5
47.5°	2133.7	1835.2	962.3	189.5	32.4	25.5	25.5	28.5	28.5	24.5	22.6
50°	2244.6	1921.6	956.4	104.1	30.4	24.5	25.5	23.6	24.5	19.6	17.7
52.5°	2351.6	1996.2	909.2	62.8	28.5	24.5	22.6	20.6	19.6	14.7	14.7
55°	2440.0	2058.1	822.8	49.1	28.5	23.6	20.6	17.7	15.7	11.8	12.8
57.5°	2518.6	2120.9	706.0	45.2	29.5	22.6	18.7	15.7	12.8	9.8	8.8
60°	2594.2	2175.9	595.0	41.2	30.4	22.6	15.7	12.8	8.8	7.9	6.9
62.5°	2640.3	2193.6	492.9	37.3	30.4	20.6	14.7	10.8	6.9	5.9	4.9
65°	2629.5	2151.3	386.9	35.3	29.5	18.7	12.8	8.8	5.9	3.9	3.9
67.5°	2527.4	2005.0	280.8	34.4	28.5	18.7	11.8	6.9	4.9	2.9	2.9
70°	2298.6	1787.1	193.4	31.4	25.5	15.7	11.8	5.9	3.9	2.9	2.0
72.5°	2011.9	1580.9	129.6	27.5	20.6	11.8	6.9	4.9	2.9	2.0	2.0
75°	1723.2	1255.8	89.4	21.6	15.7	9.8	4.9	3.9	2.9	2.0	1.0
77.5°	1294.1	905.3	66.8	16.7	11.8	5.9	2.9	2.0	2.0	1.0	1.0
80°	893.5	622.5	52.0	8.8	3.9	2.9	2.0	2.0	1.0	1.0	1.0
82.5°	478.2	331.9	32.4	5.9	2.0	2.0	1.0	1.0	1.0	1.0	1.0
85°	226.8	134.5	10.8	2.9	2.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	22.6	6.9	2.9	2.0	2.0	1.0	0.0	1.0	1.0	1.0	1.0
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)