

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: P510963

Luminaire Tested: **PRV-P-C15-D-UNV-T4-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510963
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-C15-D-UNV-T4-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 880mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6325 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

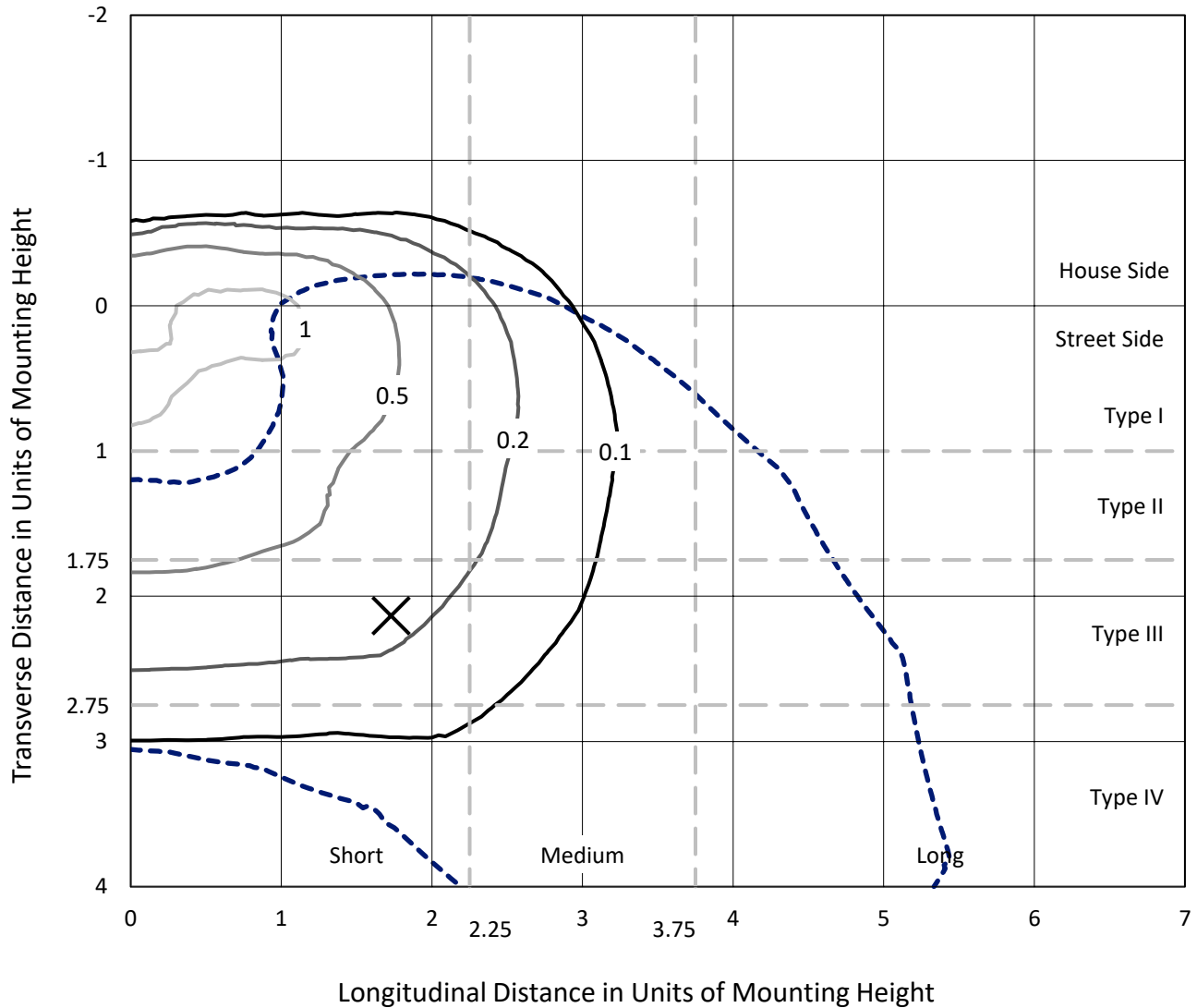
Input Watts (W): 49.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

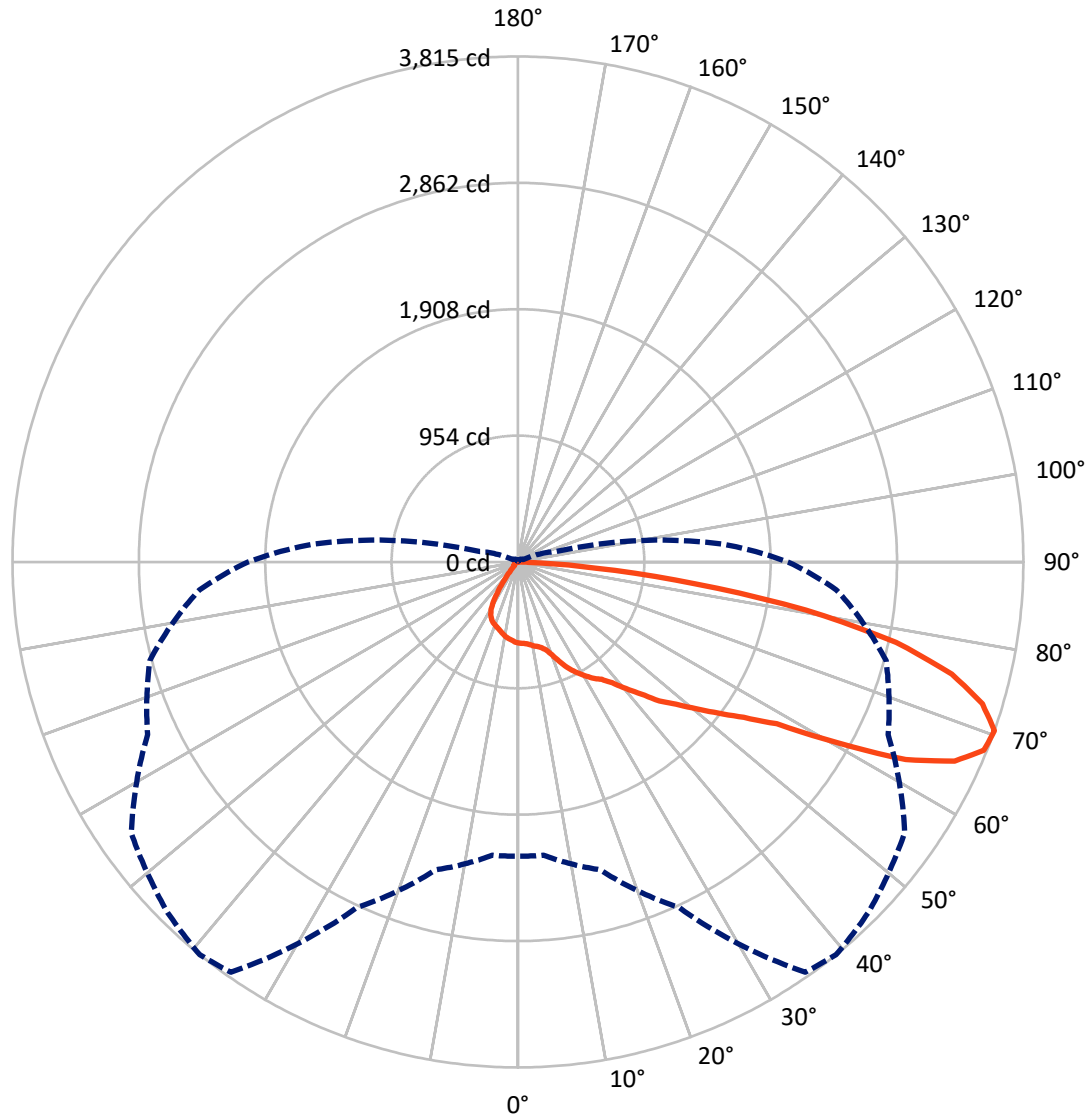
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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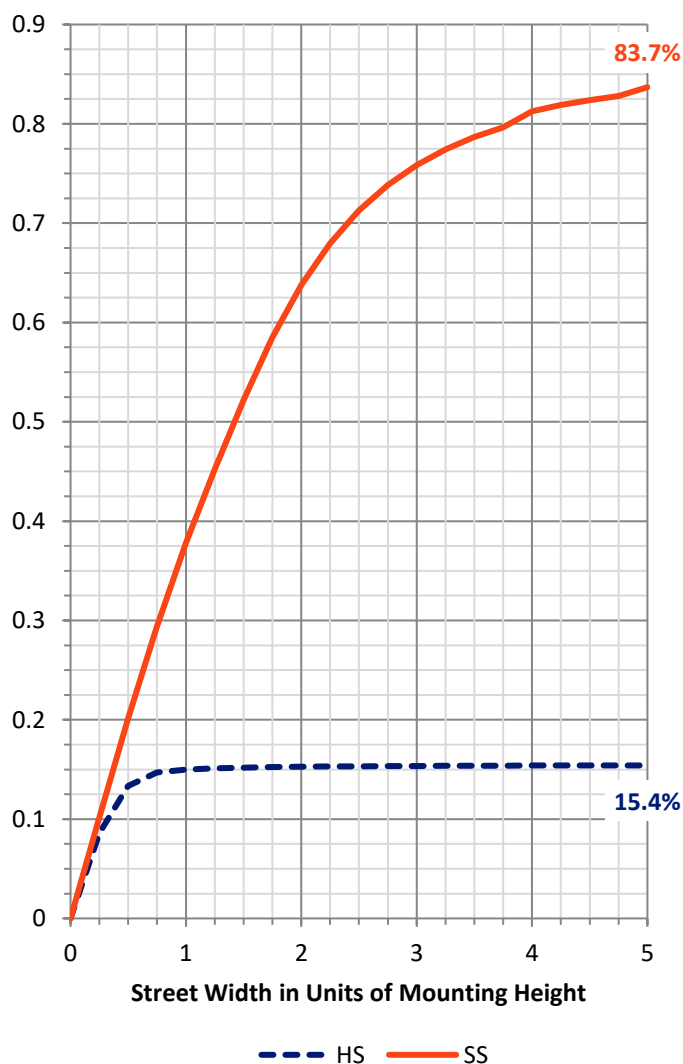
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	984.2	0.0	984.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	5340.8	0.0	5340.8
	% Fixture	84.4	0.0	84.4
Total	Lumens	6325.0	0.0	6325.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	0.9
10°-20°	177.8	2.8
20°-30°	333.3	5.3
30°-40°	526.2	8.3
40°-50°	819.9	13.0
50°-60°	1240.6	19.6
60°-70°	1661.5	26.3
70°-80°	1279.4	20.2
80°-90°	228.0	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°	6325.0	100.0
0°-180°	6325.0	100.0

Coefficient of Utilization



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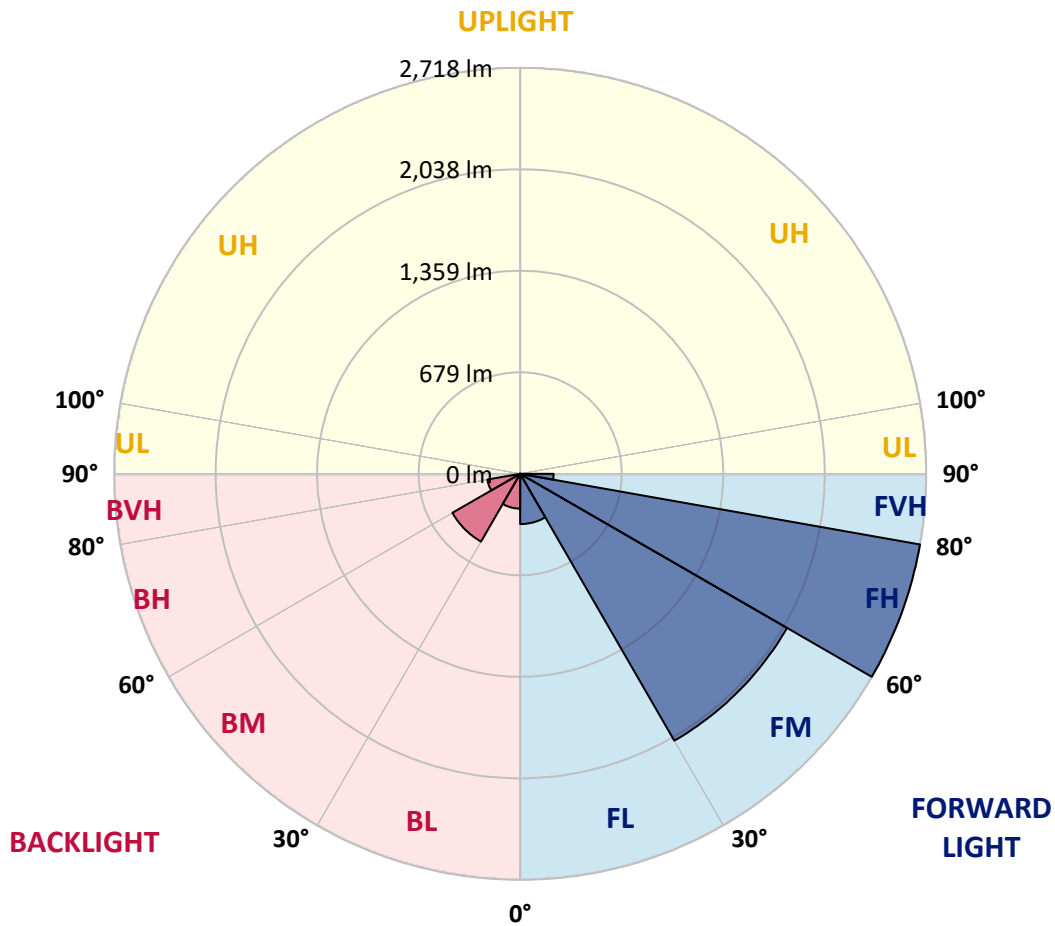
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	336.4	5.3			
FM (30°-60°)	2062.8	32.6			
FH (60°-80°)	2718.0	43.0			G2/5000
FVH (80°-90°)	223.7	3.5			G2/225
BL (0°-30°)	232.9	3.7	B1/500		
BM (30°-60°)	524.0	8.3	B1/1000		
BH (60°-80°)	223.0	3.5	B1/500		G1/500
BVH (80°-90°)	4.4	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	612.0	612.0	612.0	612.0	612.0	612.0	612.0	612.0	612.0	612.0	612.0
2.5°	612.0	614.8	614.8	614.8	614.8	614.8	614.8	613.4	614.8	617.6	614.8
5°	614.8	616.2	616.2	619.0	619.0	619.0	619.0	617.6	619.0	619.0	616.2
7.5°	621.8	621.8	623.2	626.1	628.9	628.9	628.9	630.3	630.3	627.5	626.1
10°	628.9	628.9	630.3	635.9	641.5	644.3	645.8	648.6	650.0	647.2	642.9
12.5°	637.3	637.3	638.7	644.3	651.4	654.2	658.4	664.0	666.9	665.4	659.8
15°	650.0	650.0	652.8	658.4	669.7	671.1	676.7	685.1	689.4	689.4	683.7
17.5°	693.6	696.4	693.6	692.2	697.8	700.6	704.8	714.7	723.1	723.1	721.7
20°	778.0	773.8	769.6	763.9	755.5	755.5	751.3	752.7	759.7	771.0	769.6
22.5°	854.0	855.4	851.2	841.3	827.2	823.0	814.6	811.8	811.8	823.0	825.8
25°	915.9	920.1	918.7	904.6	889.1	890.5	889.1	886.3	883.5	884.9	890.5
27.5°	966.5	967.9	963.7	955.3	945.4	945.4	945.4	951.0	965.1	965.1	966.5
30°	1007.3	1010.1	1005.9	1003.1	998.9	996.1	996.1	1017.2	1046.7	1067.8	1080.5
32.5°	1093.1	1083.3	1070.6	1042.5	1046.7	1046.7	1049.5	1077.7	1128.3	1167.7	1208.5
35°	1170.5	1171.9	1153.6	1133.9	1088.9	1087.5	1103.0	1139.6	1204.3	1283.1	1354.8
37.5°	1271.8	1271.8	1256.3	1221.2	1179.0	1156.4	1149.4	1200.1	1288.7	1423.7	1515.2
40°	1402.6	1402.6	1375.9	1326.7	1271.8	1256.3	1228.2	1267.6	1388.6	1603.8	1691.1
42.5°	1494.1	1492.7	1474.4	1423.7	1378.7	1360.4	1347.8	1360.4	1526.4	1798.0	1882.4
45°	1558.8	1567.2	1556.0	1533.5	1512.4	1495.5	1491.3	1519.4	1678.4	1996.3	2032.9
47.5°	1639.0	1646.0	1617.9	1606.6	1608.0	1603.8	1633.4	1709.3	1843.0	2166.6	2173.6
50°	1871.1	1864.1	1771.2	1726.2	1720.6	1738.9	1792.3	1864.1	2030.1	2324.1	2298.8
52.5°	2173.6	2123.0	1962.6	1885.2	1866.9	1895.0	1933.0	2040.0	2266.5	2478.9	2397.3
55°	2460.6	2432.5	2319.9	2121.6	2051.2	2069.5	2103.3	2201.7	2467.6	2606.9	2488.7
57.5°	2666.0	2657.6	2644.9	2553.5	2324.1	2303.0	2307.3	2373.4	2632.2	2750.4	2566.1
60°	2805.3	2826.4	2893.9	2882.7	2850.3	2767.3	2577.4	2554.9	2796.8	2843.3	2625.2
62.5°	2882.7	2893.9	3009.3	3104.9	3280.8	3285.0	3106.4	2761.7	2940.3	2915.0	2649.1
65°	2796.8	2819.4	2965.7	3162.6	3567.8	3622.7	3562.2	3109.2	3065.6	2950.2	2639.3
67.5°	2567.5	2571.7	2740.6	3103.5	3764.8	3792.9	3740.9	3503.1	3107.8	2933.3	2560.5
70°	2220.0	2222.8	2405.7	2877.0	3780.2	3815.4	3740.9	3563.6	3083.8	2877.0	2412.8
72.5°	1796.6	1828.9	2003.4	2500.0	3641.0	3666.3	3621.3	3480.6	3026.2	2775.7	2111.7
75°	1356.2	1367.5	1551.8	1959.8	3256.9	3382.1	3399.0	3331.5	2896.7	2428.2	1626.3
77.5°	863.8	876.5	1056.6	1491.3	2677.3	2917.8	3058.5	3050.1	2485.9	1903.5	966.5
80°	405.2	409.4	602.1	1014.3	1979.5	2203.1	2439.5	2463.4	1892.2	1056.6	281.4
82.5°	114.0	126.6	230.7	565.6	1260.6	1347.8	1594.0	1495.5	614.8	125.2	40.8
85°	50.6	53.5	94.3	209.6	491.0	585.3	685.1	650.0	71.8	35.2	23.9
87.5°	29.5	31.0	38.0	54.9	76.0	77.4	97.1	85.8	16.9	15.5	8.4
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°	612.0	612.0	612.0	612.0	612.0	612.0	612.0	612.0	612.0	612.0	612.0
2.5°	614.8	613.4	613.4	612.0	609.2	606.4	603.5	602.1	599.3	599.3	596.5
5°	614.8	613.4	610.6	607.8	602.1	595.1	588.1	583.8	581.0	578.2	581.0
7.5°	624.6	621.8	616.2	609.2	599.3	588.1	578.2	569.8	564.2	562.7	562.7
10°	640.1	637.3	627.5	614.8	597.9	581.0	562.7	550.1	541.6	538.8	536.0
12.5°	655.6	652.8	640.1	620.4	596.5	568.4	543.0	526.2	512.1	509.3	505.1
15°	680.9	675.3	658.4	630.3	595.1	557.1	521.9	496.6	478.3	471.3	467.1
17.5°	717.5	711.9	690.8	651.4	603.5	550.1	500.8	460.0	431.9	419.2	416.4
20°	768.1	761.1	731.6	679.5	617.6	548.7	481.1	422.1	377.0	354.5	348.9
22.5°	827.2	818.8	782.2	711.9	633.1	547.3	461.5	386.9	325.0	288.4	271.5
25°	892.0	889.1	827.2	738.6	641.5	537.4	437.5	351.7	265.9	206.8	198.4
27.5°	973.6	958.1	869.4	756.9	638.7	516.3	408.0	295.4	184.3	142.1	135.1
30°	1073.4	1035.5	914.5	772.4	626.1	489.6	358.8	205.4	114.0	90.0	87.2
32.5°	1183.2	1121.3	956.7	778.0	605.0	450.2	268.7	121.0	67.5	52.1	52.1
35°	1309.8	1221.2	1001.7	772.4	567.0	378.4	166.0	64.7	36.6	32.4	32.4
37.5°	1461.7	1352.0	1048.1	754.1	514.9	282.8	94.3	32.4	29.5	28.1	28.1
40°	1630.6	1508.2	1112.8	723.1	443.2	187.1	42.2	28.1	28.1	26.7	26.7
42.5°	1793.8	1651.7	1190.2	683.7	361.6	106.9	32.4	29.5	25.3	23.9	23.9
45°	1941.5	1775.5	1256.3	635.9	268.7	52.1	33.8	25.3	22.5	22.5	22.5
47.5°	2063.9	1890.8	1304.2	586.7	180.1	36.6	35.2	23.9	21.1	19.7	19.7
50°	2173.6	1972.4	1330.9	523.4	97.1	36.6	31.0	23.9	19.7	19.7	19.7
52.5°	2265.1	2044.2	1336.5	440.3	47.8	36.6	32.4	23.9	18.3	21.1	21.1
55°	2338.2	2085.0	1312.6	347.5	40.8	33.8	32.4	22.5	18.3	22.5	23.9
57.5°	2395.9	2101.9	1262.0	239.2	40.8	32.4	32.4	21.1	16.9	18.3	18.3
60°	2421.2	2103.3	1188.8	133.7	39.4	32.4	31.0	21.1	15.5	12.7	12.7
62.5°	2414.2	2072.3	1062.2	68.9	35.2	31.0	28.1	19.7	12.7	8.4	8.4
65°	2362.1	1992.1	899.0	50.6	32.4	29.5	26.7	18.3	11.3	7.0	7.0
67.5°	2245.4	1833.1	661.2	46.4	33.8	28.1	23.9	16.9	9.8	5.6	5.6
70°	2038.5	1553.2	310.9	43.6	35.2	28.1	22.5	15.5	8.4	4.2	4.2
72.5°	1632.0	1066.4	73.2	38.0	33.8	26.7	22.5	12.7	5.6	2.8	2.8
75°	1073.4	493.8	54.9	32.4	31.0	23.9	19.7	14.1	5.6	1.4	1.4
77.5°	468.5	90.0	49.2	25.3	31.0	26.7	16.9	9.8	2.8	0.0	0.0
80°	67.5	50.6	47.8	16.9	28.1	15.5	7.0	2.8	1.4	0.0	0.0
82.5°	35.2	43.6	43.6	9.8	12.7	2.8	2.8	1.4	0.0	0.0	0.0
85°	26.7	39.4	16.9	7.0	2.8	1.4	1.4	1.4	0.0	0.0	0.0
87.5°	8.4	5.6	4.2	2.8	1.4	1.4	1.4	1.4	1.4	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)