

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: P511055

Luminaire Tested: **PRV-P-C25-D-UNV-T4-7050-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511055
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-T4-7050-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 1650mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11047 lumens
Efficiency: N/A
Efficacy: 117.4 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

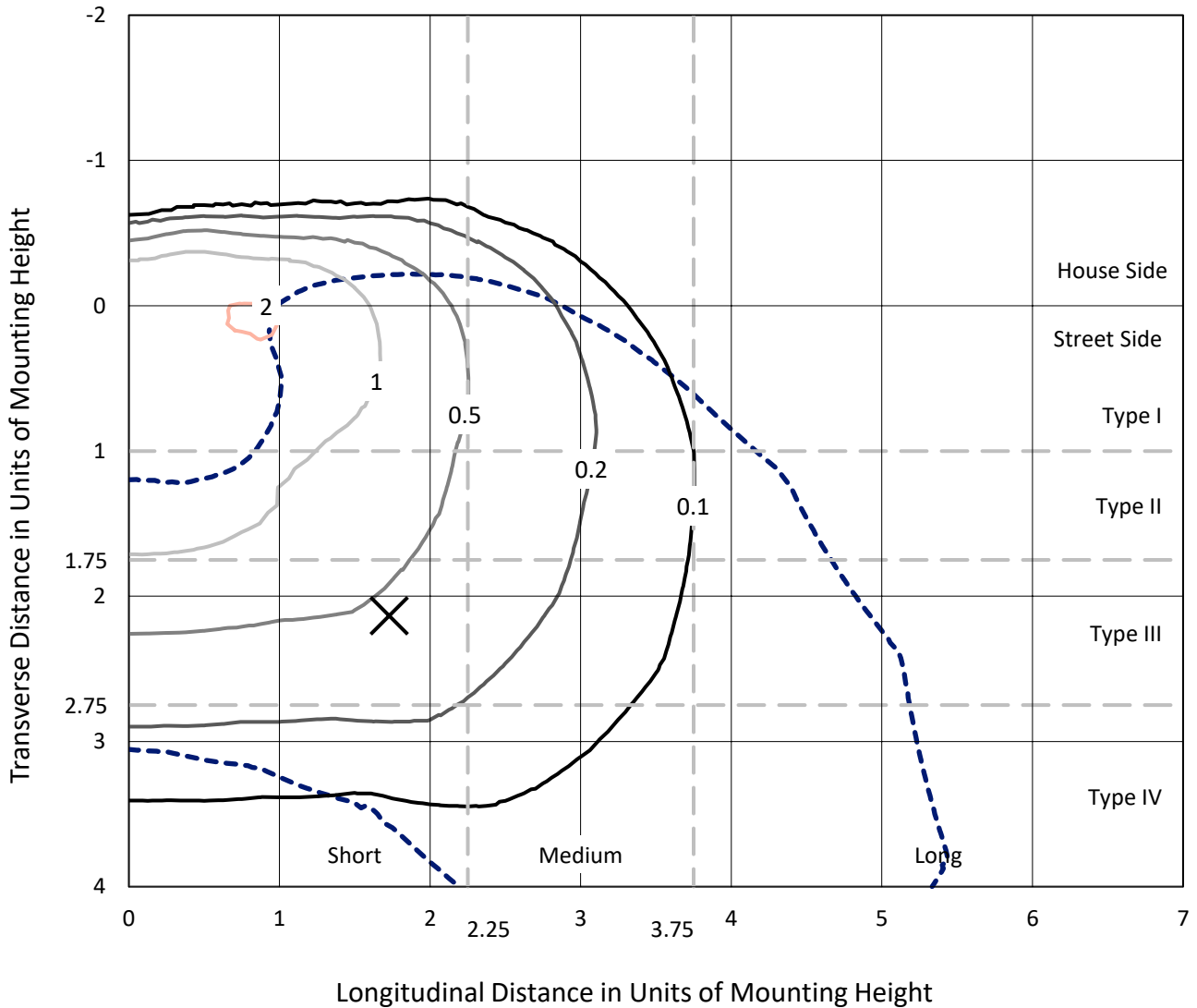
Input Watts (W): 94.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

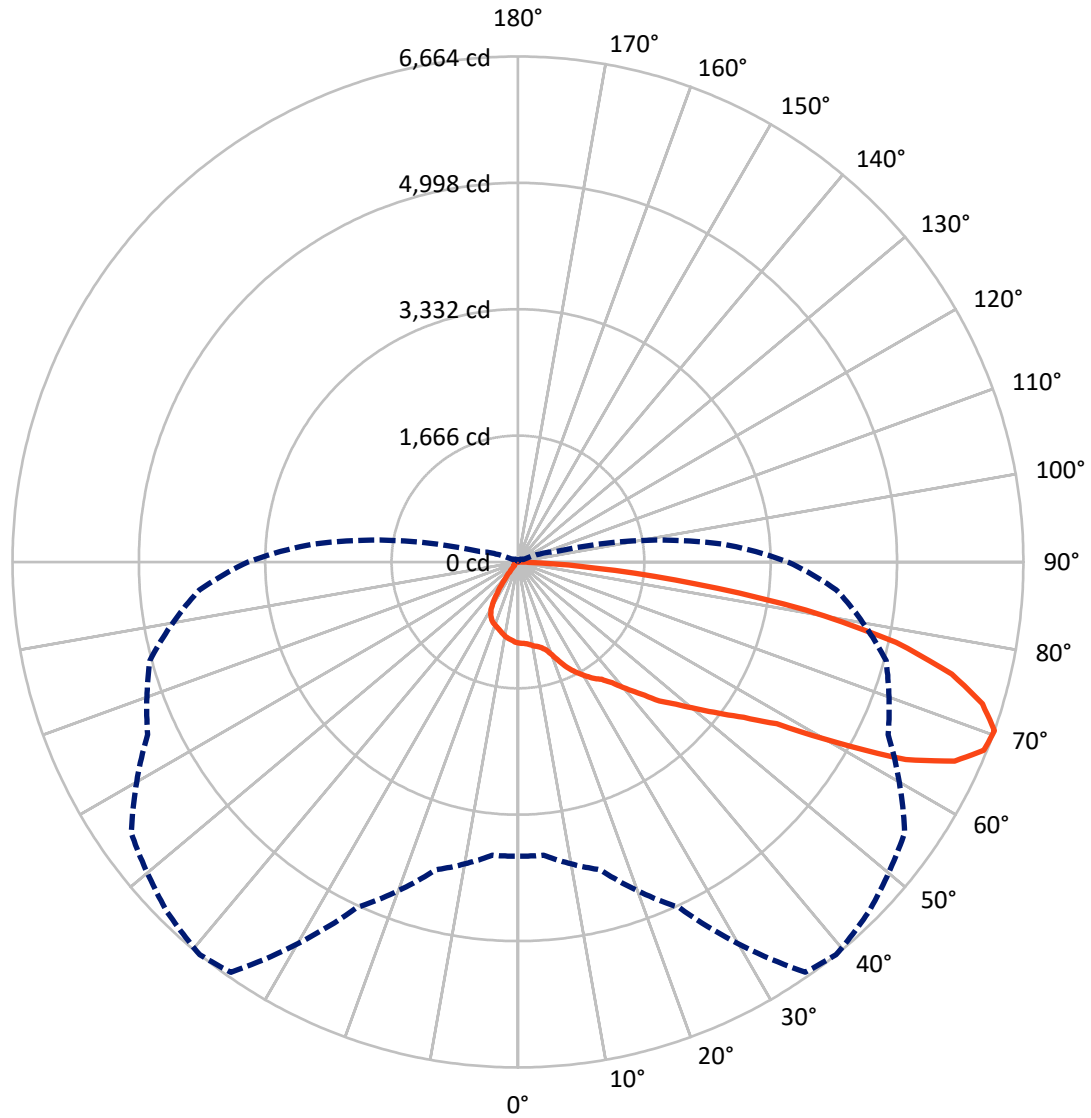
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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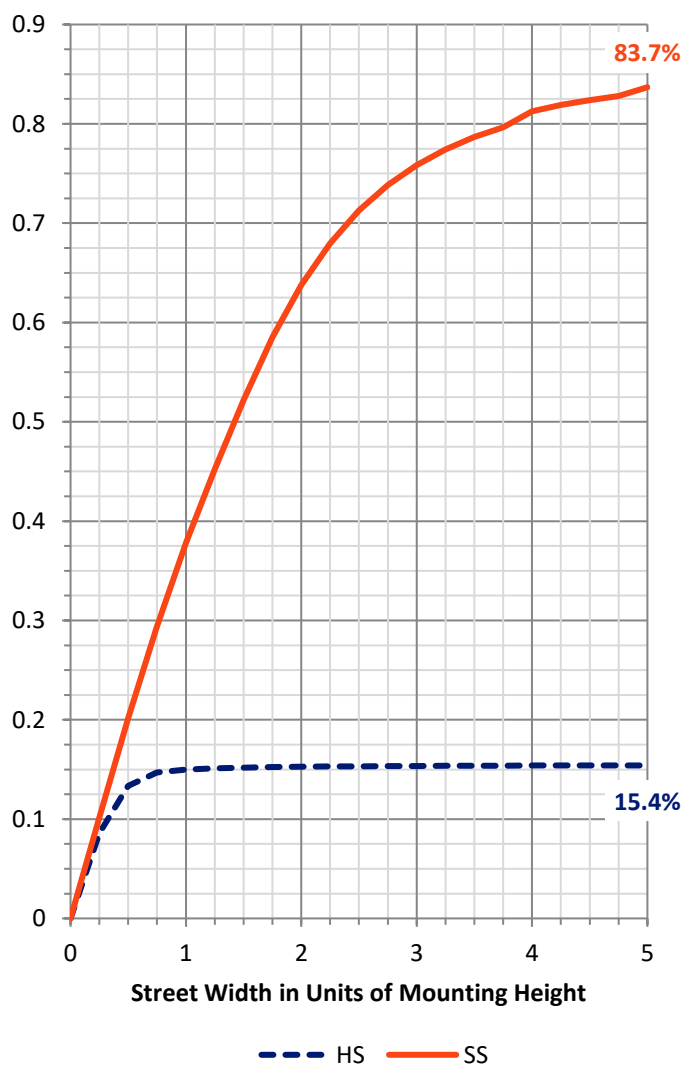
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1718.9	0.0	1718.9
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	9328.1	0.0	9328.1
	% Fixture	84.4	0.0	84.4
Total	Lumens	11047.0	0.0	11047.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	0.9
10°-20°	310.6	2.8
20°-30°	582.1	5.3
30°-40°	919.0	8.3
40°-50°	1432.0	13.0
50°-60°	2166.8	19.6
60°-70°	2901.9	26.3
70°-80°	2234.6	20.2
80°-90°	398.3	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°	11047.0	100.0
0°-180°	11047.0	100.0

Coefficient of Utilization

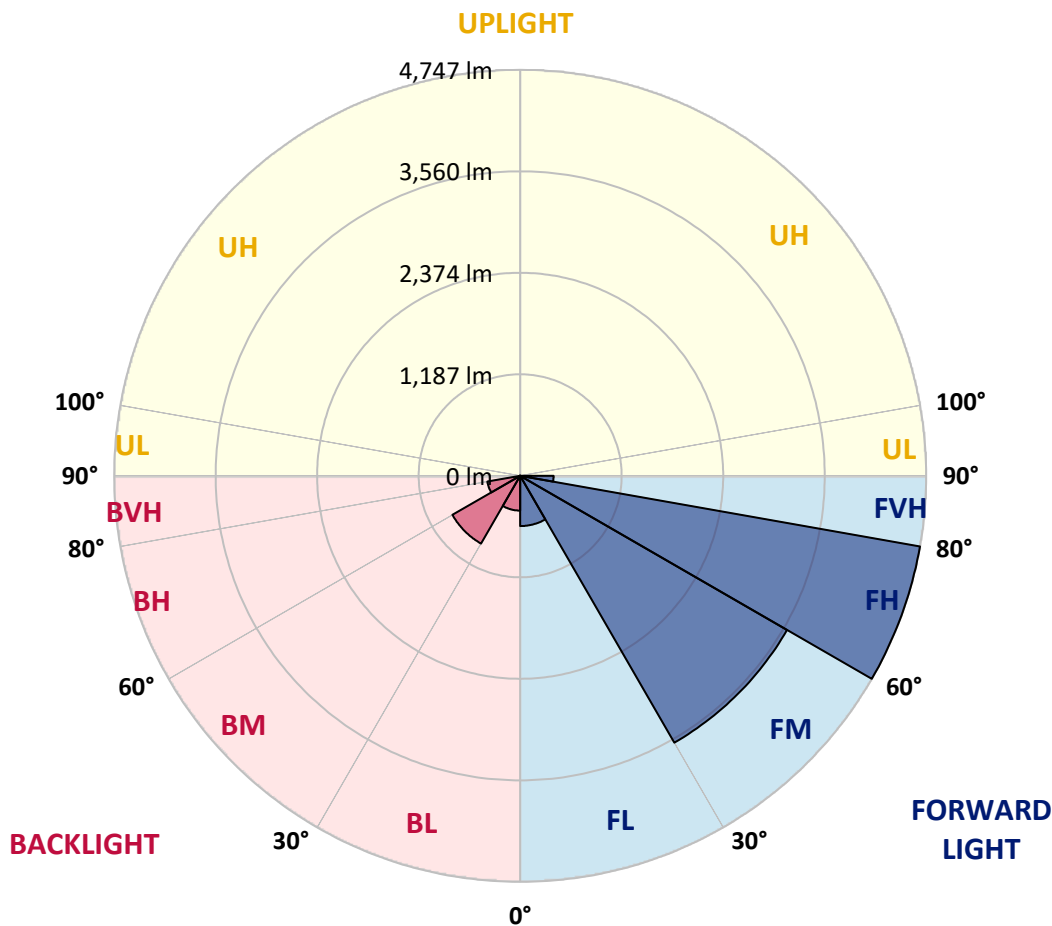


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	587.6	5.3			
FM (30°-60°)	3602.8	32.6			
FH (60°-80°)	4747.1	43.0			G2/5000
FVH (80°-90°)	390.7	3.5			G3/500
BL (0°-30°)	406.7	3.7	B1/500		
BM (30°-60°)	915.1	8.3	B1/1000		
BH (60°-80°)	389.4	3.5	B1/500		G1/500
BVH (80°-90°)	7.6	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°	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9
2.5°	1068.9	1073.8	1073.8	1073.8	1073.8	1073.8	1073.8	1071.3	1073.8	1078.7	1073.8
5°	1073.8	1076.2	1076.2	1081.2	1081.2	1081.2	1081.2	1078.7	1081.2	1081.2	1076.2
7.5°	1086.1	1086.1	1088.5	1093.4	1098.4	1098.4	1098.4	1100.8	1100.8	1095.9	1093.4
10°	1098.4	1098.4	1100.8	1110.6	1120.5	1125.4	1127.8	1132.8	1135.2	1130.3	1122.9
12.5°	1113.1	1113.1	1115.6	1125.4	1137.7	1142.6	1150.0	1159.8	1164.7	1162.2	1152.4
15°	1135.2	1135.2	1140.1	1150.0	1169.6	1172.1	1181.9	1196.6	1204.0	1204.0	1194.2
17.5°	1211.4	1216.3	1211.4	1208.9	1218.8	1223.7	1231.0	1248.2	1263.0	1263.0	1260.5
20°	1358.8	1351.4	1344.1	1334.2	1319.5	1319.5	1312.1	1314.6	1326.9	1346.5	1344.1
22.5°	1491.5	1494.0	1486.6	1469.4	1444.8	1437.4	1422.7	1417.8	1417.8	1437.4	1442.4
25°	1599.6	1607.0	1604.5	1580.0	1552.9	1555.4	1552.9	1548.0	1543.1	1545.6	1555.4
27.5°	1688.1	1690.5	1683.2	1668.4	1651.2	1651.2	1651.2	1661.1	1685.6	1685.6	1688.1
30°	1759.3	1764.3	1756.9	1752.0	1744.6	1739.7	1739.7	1776.5	1828.1	1865.0	1887.1
32.5°	1909.2	1892.0	1869.9	1820.8	1828.1	1828.1	1833.1	1882.2	1970.7	2039.5	2110.7
35°	2044.4	2046.8	2014.9	1980.5	1901.9	1899.4	1926.4	1990.3	2103.3	2240.9	2366.3
37.5°	2221.3	2221.3	2194.3	2132.8	2059.1	2019.8	2007.5	2096.0	2250.8	2486.7	2646.4
40°	2449.8	2449.8	2403.1	2317.1	2221.3	2194.3	2145.1	2213.9	2425.2	2801.2	2953.5
42.5°	2609.5	2607.1	2575.1	2486.7	2408.0	2376.1	2354.0	2376.1	2666.0	3140.3	3287.7
45°	2722.5	2737.3	2717.6	2678.3	2641.5	2612.0	2604.6	2653.7	2931.4	3486.7	3550.6
47.5°	2862.6	2874.9	2825.8	2806.1	2808.6	2801.2	2852.8	2985.5	3218.9	3784.0	3796.3
50°	3268.0	3255.8	3093.6	3015.0	3005.1	3037.1	3130.4	3255.8	3545.7	4059.3	4015.0
52.5°	3796.3	3707.9	3427.8	3292.6	3260.7	3309.8	3376.2	3562.9	3958.5	4329.5	4187.0
55°	4297.6	4248.5	4051.9	3705.4	3582.6	3614.5	3673.5	3845.5	4309.9	4553.1	4346.7
57.5°	4656.3	4641.6	4619.5	4459.8	4059.3	4022.4	4029.8	4145.3	4597.4	4803.8	4481.9
60°	4899.6	4936.5	5054.4	5034.8	4978.2	4833.3	4501.5	4462.2	4884.9	4966.0	4585.1
62.5°	5034.8	5054.4	5255.9	5423.0	5730.1	5737.5	5425.4	4823.4	5135.5	5091.3	4626.9
65°	4884.9	4924.2	5179.7	5523.7	6231.4	6327.2	6221.6	5430.4	5354.2	5152.7	4609.7
67.5°	4484.3	4491.7	4786.6	5420.5	6575.4	6624.5	6533.6	6118.4	5427.9	5123.2	4472.1
70°	3877.4	3882.3	4201.8	5024.9	6602.4	6663.9	6533.6	6224.0	5386.1	5024.9	4214.1
72.5°	3137.8	3194.3	3499.0	4366.4	6359.2	6403.4	6324.8	6079.1	5285.4	4848.0	3688.2
75°	2368.7	2388.4	2710.3	3422.8	5688.4	5907.0	5936.5	5818.6	5059.3	4241.1	2840.5
77.5°	1508.7	1530.8	1845.3	2604.6	4676.0	5096.2	5341.9	5327.2	4341.8	3324.6	1688.1
80°	707.7	715.0	1051.7	1771.6	3457.2	3847.9	4260.7	4302.5	3304.9	1845.3	491.4
82.5°	199.0	221.1	403.0	987.8	2201.6	2354.0	2784.0	2612.0	1073.8	218.7	71.3
85°	88.5	93.4	164.6	366.1	857.6	1022.2	1196.6	1135.2	125.3	61.4	41.8
87.5°	51.6	54.1	66.3	95.8	132.7	135.1	169.5	149.9	29.5	27.0	14.7
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°	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9	1068.9
2.5°	1073.8	1071.3	1071.3	1068.9	1064.0	1059.0	1054.1	1051.7	1046.8	1046.8	1041.8
5°	1073.8	1071.3	1066.4	1061.5	1051.7	1039.4	1027.1	1019.7	1014.8	1009.9	1014.8
7.5°	1091.0	1086.1	1076.2	1064.0	1046.8	1027.1	1009.9	995.2	985.3	982.9	982.9
10°	1118.0	1113.1	1095.9	1073.8	1044.3	1014.8	982.9	960.8	946.0	941.1	936.2
12.5°	1145.0	1140.1	1118.0	1083.6	1041.8	992.7	948.5	919.0	894.4	889.5	882.1
15°	1189.3	1179.4	1150.0	1100.8	1039.4	973.0	911.6	867.4	835.4	823.2	815.8
17.5°	1253.2	1243.3	1206.5	1137.7	1054.1	960.8	874.8	803.5	754.4	732.2	727.3
20°	1341.6	1329.3	1277.7	1186.8	1078.7	958.3	840.4	737.2	658.5	619.2	609.4
22.5°	1444.8	1430.1	1366.2	1243.3	1105.7	955.8	806.0	675.7	567.6	503.7	474.2
25°	1557.8	1552.9	1444.8	1290.0	1120.5	938.6	764.2	614.3	464.4	361.2	346.5
27.5°	1700.4	1673.3	1518.5	1322.0	1115.6	901.8	712.6	516.0	321.9	248.2	235.9
30°	1874.8	1808.5	1597.2	1349.0	1093.4	855.1	626.6	358.7	199.0	157.3	152.3
32.5°	2066.5	1958.4	1670.9	1358.8	1056.6	786.3	469.3	211.3	117.9	90.9	90.9
35°	2287.6	2132.8	1749.5	1349.0	990.2	661.0	289.9	113.0	63.9	56.5	56.5
37.5°	2553.0	2361.3	1830.6	1317.0	899.3	493.9	164.6	56.5	51.6	49.1	49.1
40°	2847.9	2634.1	1943.6	1263.0	774.0	326.8	73.7	49.1	49.1	46.7	46.7
42.5°	3132.9	2884.7	2078.8	1194.2	631.5	186.7	56.5	51.6	44.2	41.8	41.8
45°	3390.9	3101.0	2194.3	1110.6	469.3	90.9	59.0	44.2	39.3	39.3	39.3
47.5°	3604.7	3302.4	2277.8	1024.6	314.5	63.9	61.4	41.8	36.9	34.4	34.4
50°	3796.3	3445.0	2324.5	914.1	169.5	63.9	54.1	41.8	34.4	34.4	34.4
52.5°	3956.1	3570.3	2334.3	769.1	83.5	63.9	56.5	41.8	31.9	36.9	36.9
55°	4083.8	3641.5	2292.5	606.9	71.3	59.0	56.5	39.3	31.9	39.3	41.8
57.5°	4184.6	3671.0	2204.1	417.7	71.3	56.5	56.5	36.9	29.5	31.9	31.9
60°	4228.8	3673.5	2076.3	233.4	68.8	56.5	54.1	36.9	27.0	22.1	22.1
62.5°	4216.5	3619.4	1855.2	120.4	61.4	54.1	49.1	34.4	22.1	14.7	14.7
65°	4125.6	3479.4	1570.1	88.5	56.5	51.6	46.7	31.9	19.7	12.3	12.3
67.5°	3921.7	3201.7	1154.9	81.1	59.0	49.1	41.8	29.5	17.2	9.8	9.8
70°	3560.4	2712.7	543.0	76.2	61.4	49.1	39.3	27.0	14.7	7.4	7.4
72.5°	2850.3	1862.5	127.8	66.3	59.0	46.7	39.3	22.1	9.8	4.9	4.9
75°	1874.8	862.5	95.8	56.5	54.1	41.8	34.4	24.6	9.8	2.5	2.5
77.5°	818.2	157.3	86.0	44.2	54.1	46.7	29.5	17.2	4.9	0.0	0.0
80°	117.9	88.5	83.5	29.5	49.1	27.0	12.3	4.9	2.5	0.0	0.0
82.5°	61.4	76.2	76.2	17.2	22.1	4.9	4.9	2.5	0.0	0.0	0.0
85°	46.7	68.8	29.5	12.3	4.9	2.5	2.5	2.5	0.0	0.0	0.0
87.5°	14.7	9.8	7.4	4.9	2.5	2.5	2.5	2.5	2.5	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)