

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: P287038

Luminaire Tested: **PFPRV-C15-D-UNV-T4-BZ-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P287038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-9)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PFPRV-C15-D-UNV-T4-BZ-HSS
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6437 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

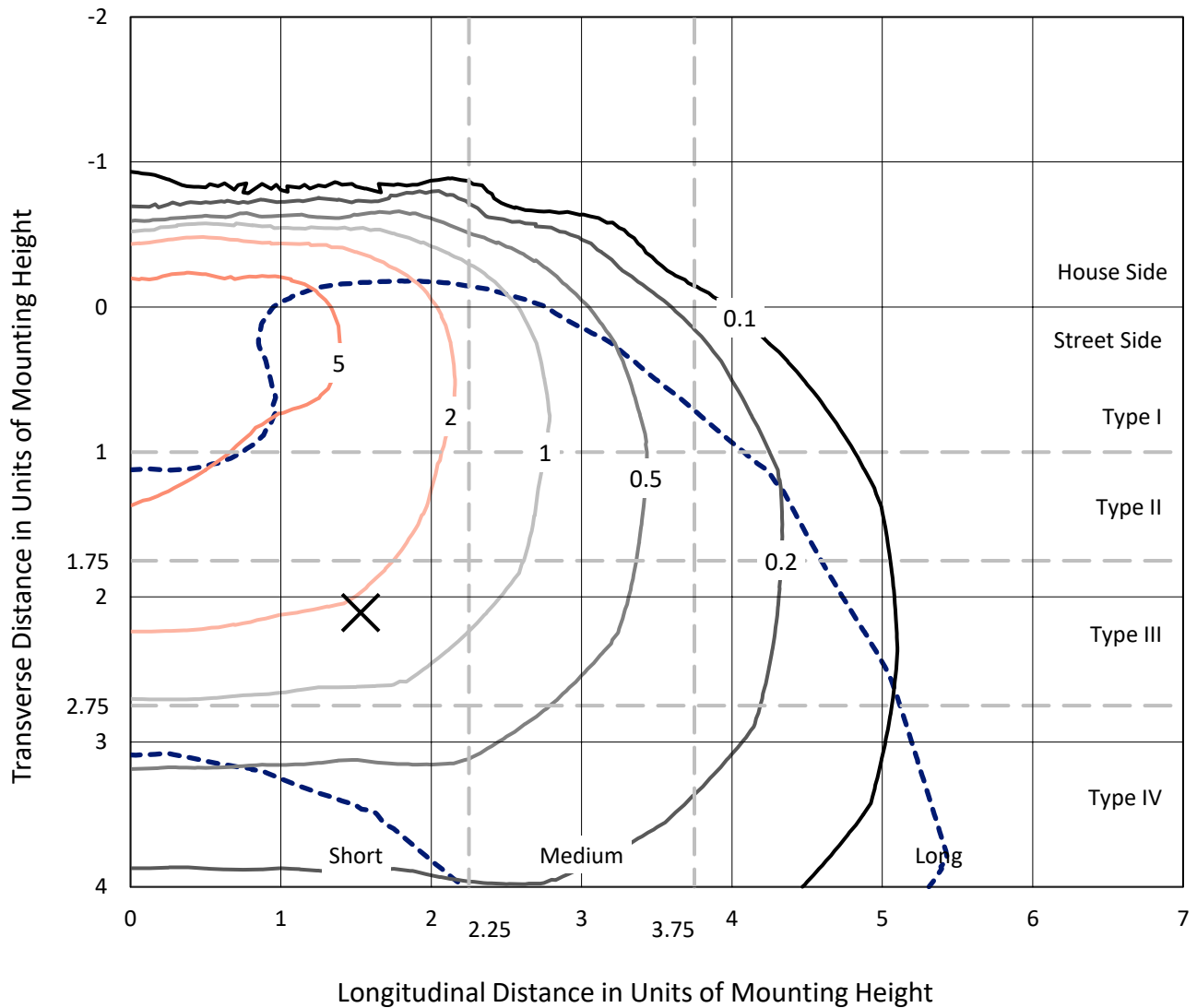
Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

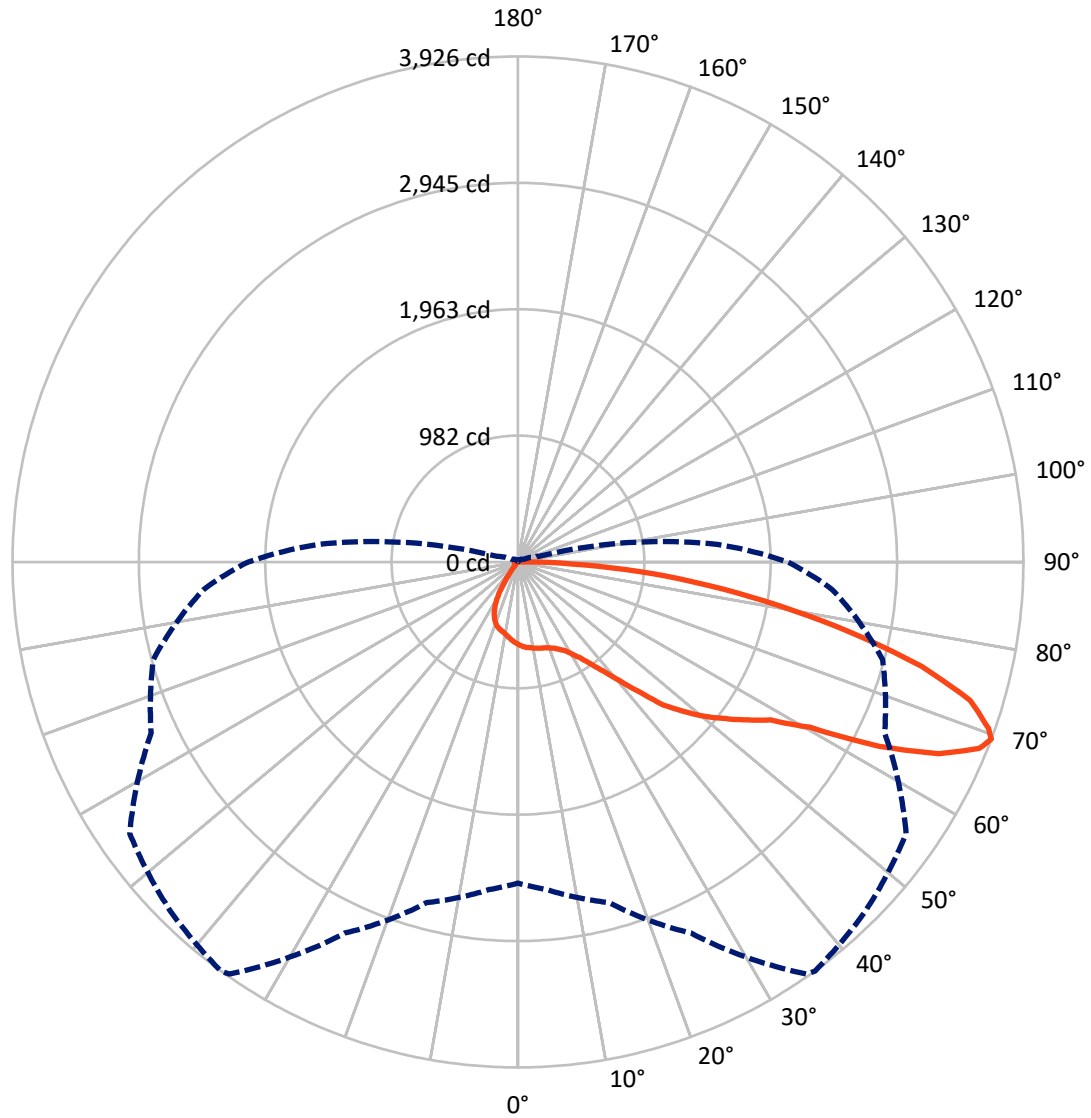
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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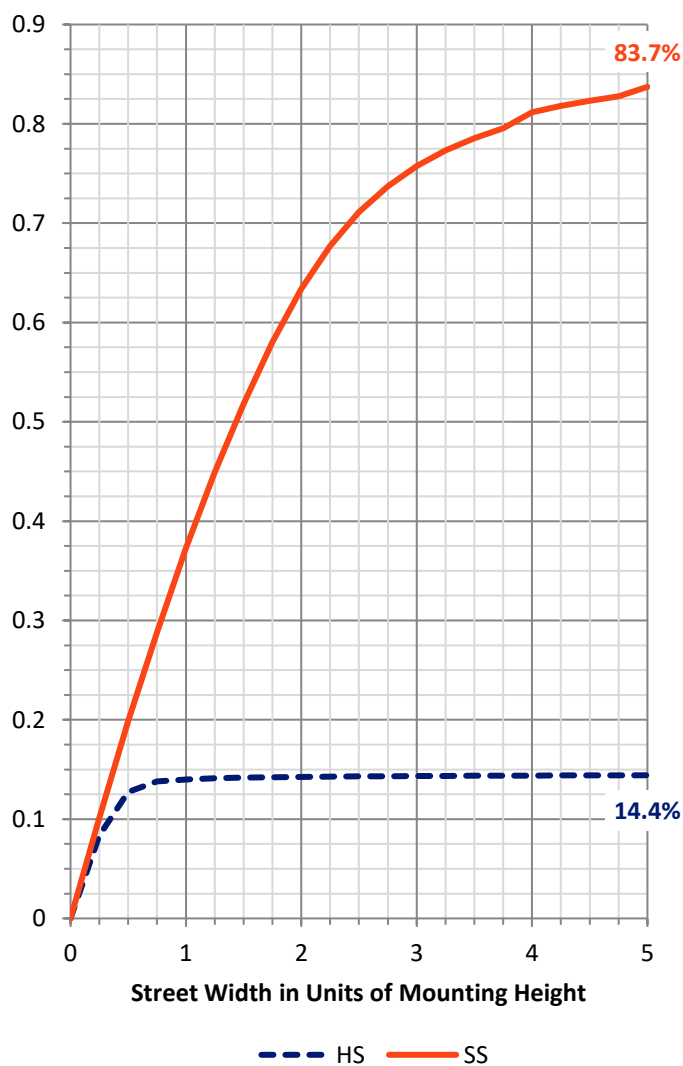
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	938.6	0.0	938.6
	% Fixture	14.6	0.0	14.6
Street Side	Lumens	5498.4	0.0	5498.4
	% Fixture	85.4	0.0	85.4
Total	Lumens	6437.0	0.0	6437.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.9	0.9
10°-20°	181.7	2.8
20°-30°	304.5	4.7
30°-40°	492.5	7.7
40°-50°	868.7	13.5
50°-60°	1266.2	19.7
60°-70°	1672.4	26.0
70°-80°	1285.9	20.0
80°-90°	304.0	4.7
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°	6437.0	100.0
0°-180°	6437.0	100.0

Coefficient of Utilization



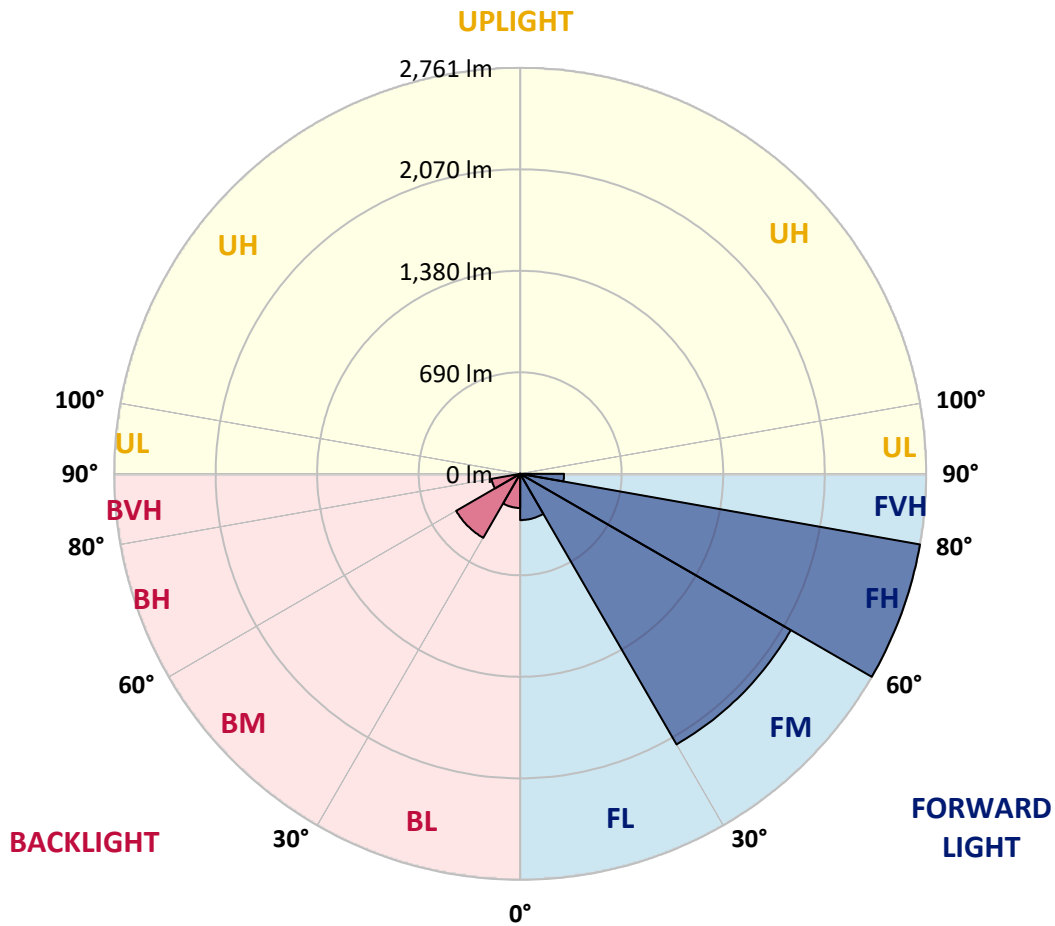
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	314.6	4.9			
FM (30°-60°)	2124.9	33.0			
FH (60°-80°)	2760.5	42.9			G2/5000
FVH (80°-90°)	298.4	4.6			G3/500
BL (0°-30°)	232.5	3.6	B1/500		
BM (30°-60°)	502.6	7.8	B1/1000		
BH (60°-80°)	197.9	3.1	B1/500		G1/500
BVH (80°-90°)	5.6	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°	36°	45°	55°	65°	75°	85°
0°	641.4	641.4	641.4	641.4	641.4	641.4	641.4	641.4	641.4	641.4	641.4
2.5°	665.0	666.0	662.9	655.6	653.9	654.6	655.3	651.1	646.6	644.5	639.6
5°	676.8	677.2	675.8	669.2	667.4	667.4	666.7	661.9	657.4	654.6	647.6
7.5°	679.9	679.6	680.3	673.3	675.1	672.0	674.0	669.2	665.0	661.2	654.9
10°	684.8	685.5	684.8	679.3	679.9	680.6	680.3	676.8	676.5	676.1	665.3
12.5°	682.4	682.0	684.1	680.6	685.5	686.2	693.9	695.6	697.3	697.3	686.2
15°	680.6	676.8	685.5	682.7	692.8	693.9	705.3	715.8	717.8	718.5	714.4
17.5°	683.1	682.4	694.5	689.3	703.6	701.2	712.3	730.7	740.4	745.3	747.7
20°	693.5	696.3	706.4	701.2	713.0	713.0	725.1	745.0	763.4	775.5	778.0
22.5°	709.5	710.5	722.4	717.1	726.5	727.6	738.0	761.3	786.3	806.8	817.3
25°	726.5	725.8	735.6	735.9	748.4	751.6	760.6	779.4	812.4	839.2	867.7
27.5°	751.6	750.2	761.6	758.2	781.5	781.1	791.5	813.8	851.0	886.1	929.5
30°	792.2	788.8	795.7	801.3	827.7	828.7	838.1	860.0	897.6	948.7	1001.5
32.5°	857.9	860.7	860.0	853.1	886.4	888.5	911.5	946.9	985.2	1046.7	1108.6
35°	996.3	995.9	977.2	959.4	962.6	968.8	998.7	1062.7	1140.9	1286.2	1340.8
37.5°	1168.4	1176.7	1143.7	1092.6	1075.9	1074.8	1100.9	1195.8	1323.7	1604.3	1626.2
40°	1396.1	1380.4	1340.4	1261.9	1219.8	1208.0	1216.7	1328.3	1524.7	1875.4	1854.6
42.5°	1550.7	1557.7	1513.9	1446.8	1384.2	1375.2	1354.7	1473.9	1742.3	2091.6	2033.2
45°	1736.4	1750.3	1702.0	1654.3	1591.1	1585.5	1554.6	1624.1	1951.6	2251.9	2173.0
47.5°	1898.0	1907.8	1830.6	1786.1	1740.5	1736.0	1706.8	1775.7	2133.4	2383.6	2287.4
50°	2072.2	2080.2	1996.0	1932.8	1889.7	1885.5	1869.2	1945.6	2317.6	2508.1	2381.9
52.5°	2294.3	2264.4	2162.2	2076.0	2028.0	2022.5	2030.5	2115.3	2492.1	2597.8	2457.7
55°	2554.3	2473.0	2342.3	2234.5	2162.9	2166.7	2176.1	2287.7	2640.5	2684.7	2514.7
57.5°	2711.1	2715.6	2617.6	2458.7	2322.8	2315.2	2308.2	2444.1	2761.2	2781.0	2570.0
60°	2920.7	2935.0	2922.1	2824.1	2640.9	2608.2	2494.9	2618.6	2889.1	2858.8	2603.0
62.5°	3079.9	3103.2	3178.3	3117.8	3139.0	3152.9	2841.1	2827.6	3006.6	2912.0	2609.9
65°	3043.4	3065.7	3219.7	3338.6	3562.4	3592.0	3513.4	3093.5	3098.4	2935.7	2587.7
67.5°	2767.1	2790.0	2977.7	3297.9	3832.2	3865.6	3781.8	3555.1	3143.9	2936.7	2531.0
69°	2494.9	2554.0	2739.6	3180.7	3907.6	3926.4	3824.5	3681.0	3143.2	2932.5	2451.1
70°	2332.2	2379.5	2590.1	3045.5	3868.3	3877.4	3798.8	3731.7	3131.4	2896.0	2376.0
72.5°	1875.1	1864.6	2088.9	2581.8	3678.2	3672.6	3681.3	3663.6	3109.8	2762.6	2059.3
75°	1359.2	1363.0	1570.6	2031.5	3198.1	3238.8	3412.6	3517.9	2900.2	2409.4	1515.3
77.5°	966.0	974.0	1152.4	1555.3	2636.0	2655.1	2973.9	3085.8	2440.3	1895.6	826.0
80°	646.6	653.5	820.4	1146.8	2013.4	2056.9	2404.5	2429.5	1846.9	1173.2	149.5
82.5°	404.3	407.8	537.1	816.9	1469.1	1490.3	1651.2	1602.9	960.1	261.4	44.5
85°	231.9	236.0	329.2	517.3	927.8	935.8	1043.2	792.9	230.1	35.1	24.3
87.5°	66.4	71.3	136.3	223.2	418.5	415.4	389.3	259.7	37.2	16.0	11.5
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°	641.4	641.4	641.4	641.4	641.4	641.4	641.4	641.4	641.4	641.4	641.4
2.5°	635.8	641.0	634.8	630.2	625.0	625.7	625.7	619.8	619.8	628.2	629.2
5°	643.8	647.6	636.8	628.2	617.0	614.6	607.6	600.7	598.3	605.6	606.6
7.5°	651.1	649.0	636.1	622.2	607.6	596.2	587.5	576.0	570.8	579.1	580.5
10°	658.4	652.1	638.9	622.2	599.0	582.3	569.4	548.9	543.3	547.5	549.6
12.5°	678.6	670.2	654.9	626.1	599.6	577.1	552.0	526.3	513.1	518.0	520.7
15°	708.5	695.9	679.9	644.5	608.0	575.3	541.2	500.6	476.6	473.8	474.5
17.5°	743.9	730.7	709.5	666.4	619.8	575.3	524.9	473.8	434.2	422.7	424.1
20°	779.7	765.1	748.1	691.8	630.9	566.6	504.7	438.0	381.3	355.3	355.3
22.5°	820.7	810.3	781.8	711.9	634.8	553.1	473.8	389.7	320.2	281.9	280.5
25°	873.9	864.5	812.0	727.9	631.6	536.0	433.8	332.7	246.5	207.5	205.4
27.5°	933.4	914.9	841.6	739.7	620.9	508.6	380.6	260.4	171.7	134.9	133.1
30°	999.4	972.6	864.2	737.7	601.0	462.3	318.1	174.9	100.1	75.8	75.8
32.5°	1094.3	1045.6	891.0	732.8	573.6	407.1	233.6	103.6	50.1	38.6	38.6
35°	1279.6	1188.2	931.6	719.6	529.1	334.1	147.0	46.6	27.5	27.1	27.1
37.5°	1528.1	1372.1	997.0	700.1	467.9	243.0	73.3	25.7	25.7	26.4	26.1
40°	1746.1	1570.2	1084.2	670.6	400.8	153.3	33.4	24.7	26.1	27.1	27.1
42.5°	1908.1	1723.2	1168.7	627.5	320.2	78.2	27.8	24.0	25.0	25.4	25.7
45°	2045.4	1851.8	1236.1	572.9	234.3	37.2	27.8	23.6	23.6	23.6	24.0
47.5°	2150.7	1946.0	1282.4	508.6	145.7	31.3	29.2	23.3	21.9	21.2	21.6
50°	2233.1	2011.7	1298.7	437.0	72.0	31.6	28.5	21.9	19.1	19.5	19.8
52.5°	2291.2	2064.9	1281.3	347.6	37.2	33.4	28.9	21.2	17.0	18.1	18.1
55°	2345.1	2078.1	1237.2	247.2	33.4	33.7	28.9	19.5	14.6	16.7	17.7
57.5°	2358.6	2077.7	1168.0	155.4	35.8	32.0	27.5	19.1	13.9	16.7	17.4
60°	2378.8	2060.7	1073.1	94.9	37.5	29.5	25.7	18.1	13.2	13.9	14.6
62.5°	2356.9	2031.5	930.9	62.9	36.2	27.5	25.0	17.4	11.5	10.4	10.1
65°	2314.1	1933.8	702.5	50.8	33.7	26.8	22.6	15.3	9.4	6.6	6.3
67.5°	2214.4	1748.2	371.6	48.0	31.6	26.4	20.2	14.3	7.6	3.8	3.5
69°	2096.9	1560.1	168.6	48.7	36.8	26.4	20.5	12.5	7.0	2.8	2.4
70°	1974.1	1388.4	76.8	47.3	40.0	27.8	20.2	11.5	6.3	2.4	2.1
72.5°	1522.6	863.1	52.5	42.1	44.5	27.1	20.2	10.8	5.9	1.4	1.0
75°	903.8	214.1	47.3	33.4	42.4	33.0	24.3	11.8	5.2	0.7	0.0
77.5°	234.3	59.8	40.0	25.4	37.5	37.2	28.2	11.8	5.2	0.0	0.0
80°	60.5	45.9	34.4	16.3	29.5	36.2	22.9	13.2	4.2	0.0	0.0
82.5°	36.2	33.4	37.5	10.1	23.6	24.3	13.6	9.4	4.5	0.0	0.0
85°	20.9	28.9	26.4	7.6	4.5	2.4	5.6	10.4	4.5	0.0	0.0
87.5°	12.2	15.6	5.9	1.0	1.0	0.7	0.3	1.4	0.0	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)