

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: STREETWORKS

Report Number: P367641

Luminaire Tested: **PMM-SA2D-830-U-SL4-HSS**

Issue Date: 12/2/2019

Report Generated By 670245982

Test Information

Test Method: LM-79-08
Report Number: P367641
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-21)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA2D-830-U-SL4-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8864 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

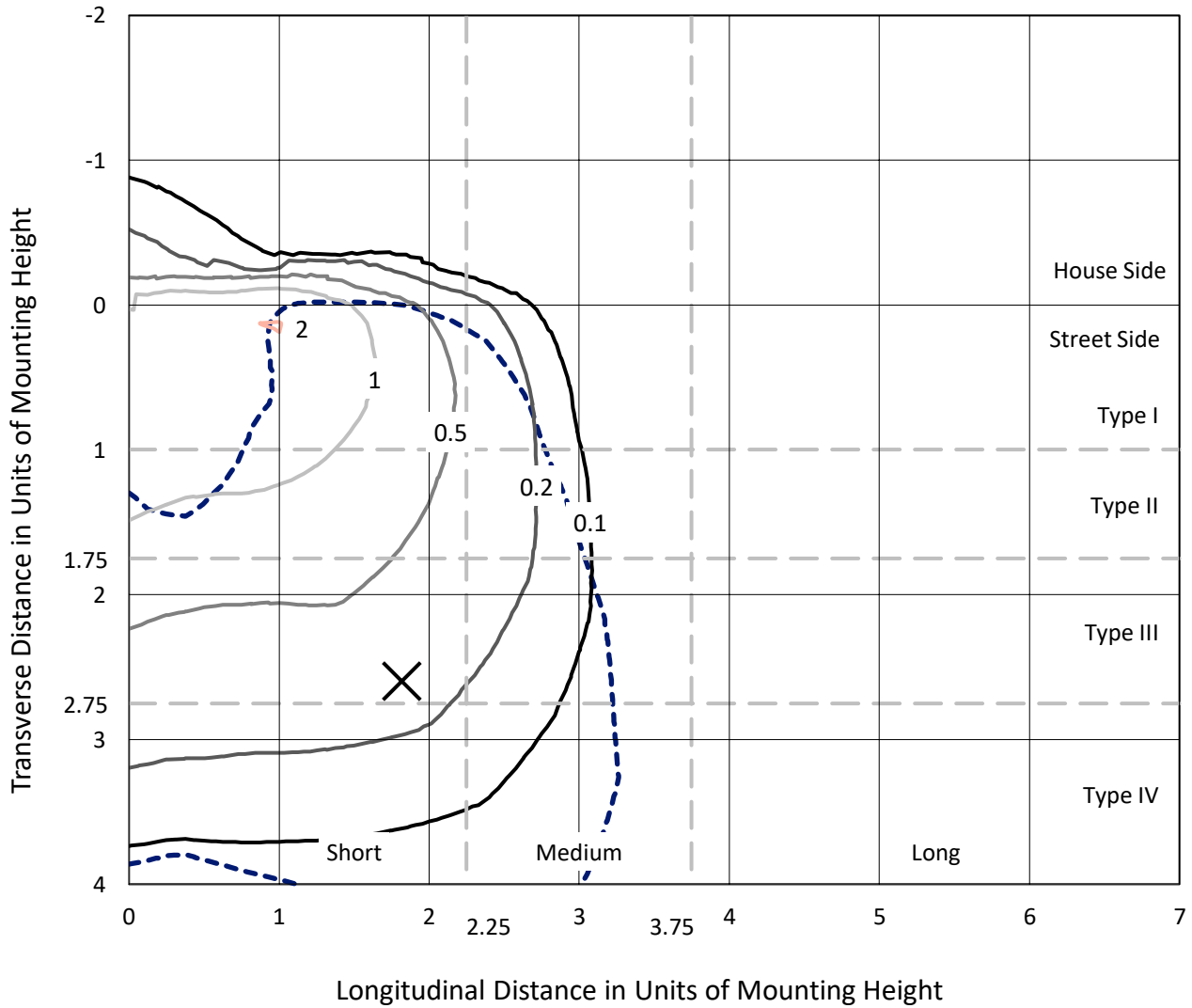
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

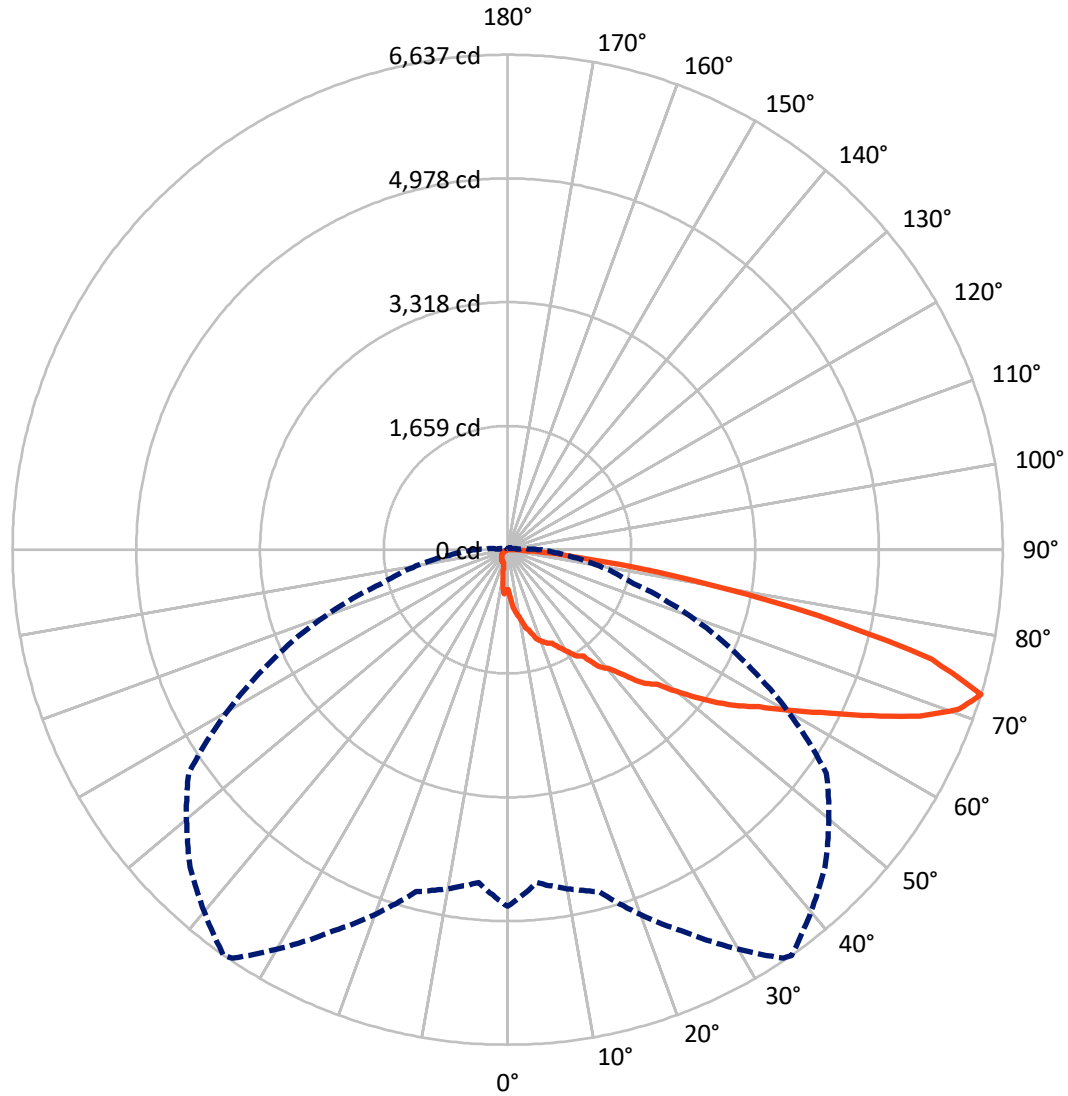
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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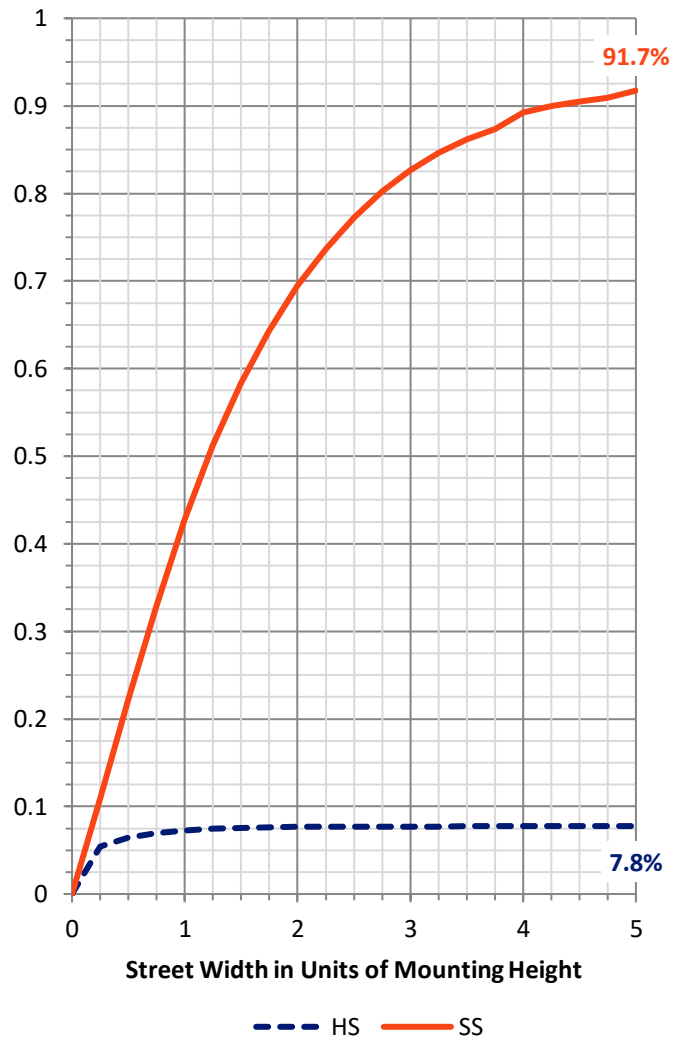
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	691.4	0.0	691.4
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	8172.6	0.0	8172.6
	% Fixture	92.2	0.0	92.2
Total	Lumens	8864.0	0.0	8864.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.3	0.8
10°-20°	226.8	2.6
20°-30°	413.1	4.7
30°-40°	712.6	8.0
40°-50°	1266.7	14.3
50°-60°	1890.2	21.3
60°-70°	2414.9	27.2
70°-80°	1680.2	19.0
80°-90°	192.2	2.2
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°	8864.0	100.0
0°-180°	8864.0	100.0

Coefficient of Utilization

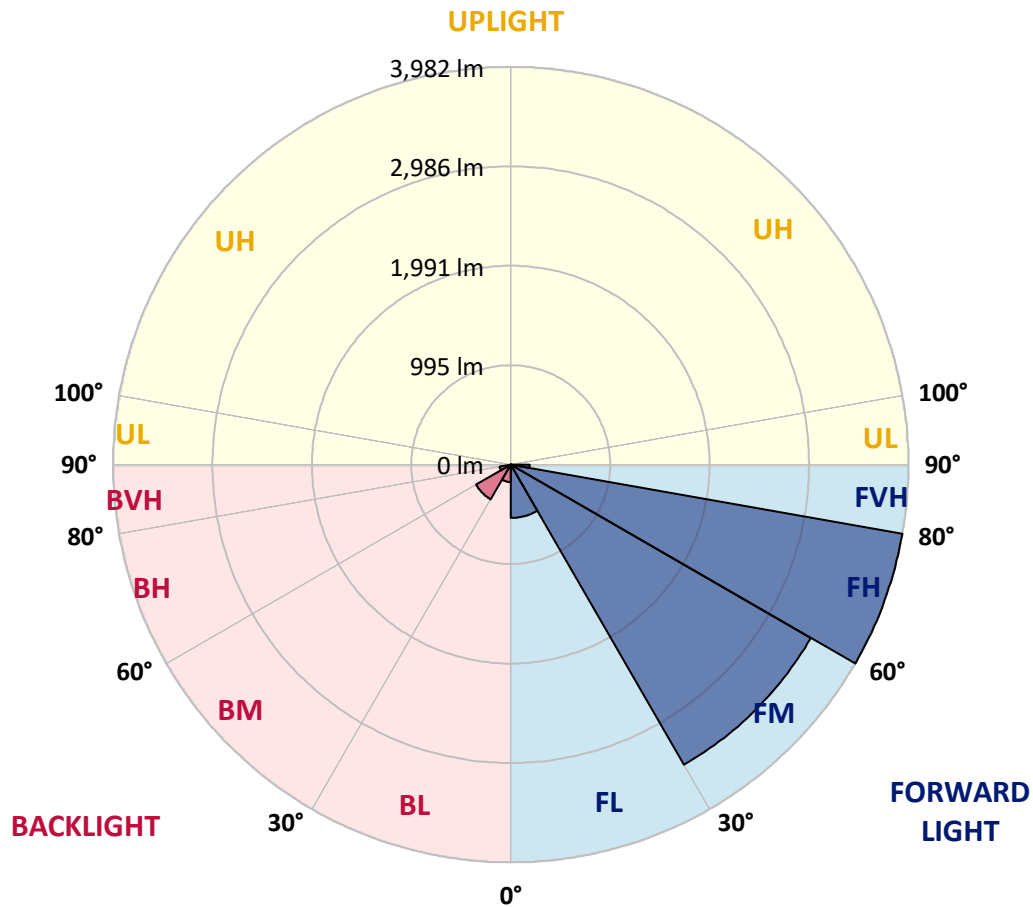


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	533.4	6.0			
FM (30°-60°)	3468.5	39.1			
FH (60°-80°)	3981.7	44.9			G2/5000
FVH (80°-90°)	189.0	2.1			G2/225
BL (0°-30°)	173.9	2.0	B1/500		
BM (30°-60°)	400.9	4.5	B1/1000		
BH (60°-80°)	113.3	1.3	B1/500		G1/500
BVH (80°-90°)	3.2	0.0			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°	34°	35°	45°	55°	65°	75°	85°
0°	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0
2.5°	672.0	645.7	602.9	606.0	625.2	629.2	635.0	619.8	606.5	582.8	628.7
5°	860.9	823.0	798.9	791.4	780.2	781.1	753.9	763.7	761.1	778.5	799.4
7.5°	967.4	946.4	916.1	907.7	866.7	862.2	828.8	873.8	878.3	872.0	906.3
10°	1009.7	982.1	985.7	954.0	933.5	938.9	944.2	947.8	953.6	959.4	917.5
12.5°	1034.7	1039.6	1088.1	1055.2	1075.7	1075.7	1111.8	1073.4	1074.8	1032.9	1040.0
15°	1147.0	1174.1	1152.3	1151.9	1129.6	1135.4	1177.3	1147.0	1162.6	1150.1	1102.0
17.5°	1287.8	1293.1	1251.7	1233.4	1253.5	1253.9	1236.1	1234.7	1180.4	1272.2	1213.8
20°	1332.8	1363.1	1304.2	1233.0	1316.3	1312.3	1310.9	1290.0	1199.5	1327.0	1278.9
22.5°	1455.3	1412.1	1372.0	1325.2	1357.7	1357.7	1352.8	1306.9	1271.7	1322.1	1342.6
25°	1493.6	1499.0	1446.8	1431.7	1432.6	1392.5	1388.9	1369.3	1335.4	1421.4	1380.4
27.5°	1625.5	1623.3	1498.1	1540.4	1486.5	1486.9	1388.5	1432.6	1438.4	1426.3	1472.2
30°	1755.2	1791.3	1602.4	1655.8	1599.2	1582.3	1486.1	1525.3	1535.5	1521.7	1579.6
32.5°	1920.5	1973.5	1789.9	1737.4	1650.9	1699.0	1632.7	1540.0	1590.8	1714.2	1746.7
35°	2095.6	2121.5	1925.9	1852.3	1754.7	1754.3	1752.1	1759.6	1815.8	1954.8	1982.4
37.5°	2410.2	2349.2	2172.3	2003.8	2025.7	1977.1	1943.2	1978.9	2037.2	2266.3	2384.4
40°	2585.8	2541.7	2292.6	2192.8	2084.5	2102.3	2194.1	2190.1	2345.6	2585.3	2762.2
42.5°	2756.4	2714.6	2469.5	2388.8	2249.8	2298.4	2338.5	2389.3	2707.9	3094.6	3191.8
45°	2908.4	2785.4	2612.5	2615.6	2543.4	2549.2	2620.1	2666.9	3127.6	3524.2	3592.4
47.5°	3000.2	2899.0	2733.3	2730.1	2725.7	2698.5	3032.3	3075.0	3462.3	3933.2	3939.5
50°	3129.4	3002.8	2857.6	2860.3	2963.2	3020.7	3419.0	3414.6	3785.3	4274.6	4130.6
52.5°	3290.3	3135.6	2975.7	3094.6	3253.7	3347.3	3670.8	3802.7	4132.4	4488.9	4205.5
55°	3496.1	3302.7	3148.6	3301.0	3648.1	3684.2	3917.2	4195.7	4510.7	4707.7	4229.6
57.5°	3737.6	3506.8	3382.0	3627.6	3973.8	3974.7	4275.9	4614.6	4742.9	4796.8	4202.4
60°	3997.9	3728.7	3603.1	3824.1	4332.9	4369.5	4674.7	4845.8	4978.6	4841.8	4153.8
62.5°	4226.9	3929.7	3832.1	4091.9	4726.8	4813.3	5022.3	4997.8	5148.8	4898.4	4030.4
65°	4499.6	4189.9	4125.7	4509.4	5241.1	5360.0	5412.6	5267.4	5205.9	4854.7	3709.1
67.5°	4769.6	4480.0	4478.2	4972.4	5915.2	5956.2	5901.0	5647.4	5139.5	4469.7	3120.5
70°	4959.9	4648.9	4766.1	5479.5	6527.9	6413.0	6180.4	5827.0	4660.0	3425.7	2038.6
72.5°	4781.2	4481.3	4745.6	5659.9	6603.7	6636.7	6018.6	5219.7	3462.3	1752.1	737.9
75°	3633.4	3449.8	4120.4	5021.4	5863.1	5870.7	5023.6	3681.5	1704.8	475.9	204.1
77.5°	1830.0	1771.7	2608.1	3564.7	4277.7	4265.2	3451.6	1972.2	548.5	158.2	102.9
80°	926.4	879.6	1110.0	1923.2	2540.3	2559.0	1970.9	883.2	276.7	86.0	71.3
82.5°	569.0	540.1	607.3	870.2	1233.0	1262.8	747.7	559.2	171.6	50.8	65.1
85°	110.1	115.9	348.9	435.8	492.4	480.8	221.5	460.3	51.7	30.3	47.2
87.5°	0.0	1.8	80.7	142.1	142.6	126.5	50.4	102.0	7.1	8.5	5.8
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°	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0	528.0
2.5°	636.3	629.6	573.9	567.7	569.0	559.7	556.5	536.9	532.0	562.3	567.7
5°	790.5	745.9	694.2	675.5	646.6	597.5	590.4	577.9	564.1	569.5	565.5
7.5°	884.9	825.7	770.4	672.0	590.4	519.1	507.5	486.1	464.8	465.2	479.0
10°	900.1	850.2	774.0	654.1	561.0	471.9	394.3	338.2	312.8	290.1	296.8
12.5°	987.9	941.5	801.2	648.8	518.2	379.2	277.6	222.8	198.7	190.7	189.8
15°	1058.3	1021.7	847.5	632.3	423.3	266.9	198.7	182.7	178.2	185.8	183.6
17.5°	1163.0	1097.0	842.6	564.1	322.6	202.7	183.1	180.9	186.3	190.7	192.1
20°	1208.9	1114.0	809.2	457.2	241.5	185.8	178.7	174.2	184.0	197.4	194.7
22.5°	1255.2	1142.9	770.0	374.3	194.3	177.8	173.8	170.2	177.8	190.7	193.8
25°	1276.2	1189.3	726.3	292.3	180.5	168.4	165.8	167.1	173.3	184.9	183.6
27.5°	1381.8	1194.6	643.0	230.8	174.7	161.8	161.8	164.9	164.9	180.5	179.1
30°	1447.7	1285.1	575.3	194.3	168.0	152.4	157.7	159.1	156.8	173.8	175.1
32.5°	1563.6	1310.0	509.3	178.2	157.3	151.1	150.2	151.1	152.8	169.3	169.8
35°	1741.8	1433.0	419.3	172.0	151.9	144.4	138.1	143.0	147.5	159.5	161.8
37.5°	2090.3	1559.1	341.8	167.1	149.3	138.1	135.9	135.0	143.0	156.8	161.3
40°	2372.3	1782.4	278.0	163.1	143.9	134.6	128.8	129.2	136.4	146.6	153.3
42.5°	2771.6	1943.7	235.7	156.8	136.4	127.0	120.3	124.3	127.4	138.1	142.6
45°	3104.9	2068.9	207.6	152.8	128.8	119.9	114.5	119.0	115.9	121.2	127.4
47.5°	3370.0	2178.1	186.7	143.0	123.9	115.9	109.2	107.8	102.5	103.8	109.6
50°	3515.7	2159.8	169.3	133.2	117.6	111.8	102.5	93.1	86.0	85.6	89.1
52.5°	3567.4	2062.2	155.1	124.8	110.1	102.9	92.2	79.3	72.2	70.0	73.1
55°	3581.7	1921.8	142.1	115.4	102.9	91.8	80.7	66.8	59.3	55.7	58.8
57.5°	3535.3	1705.7	129.7	106.5	94.5	81.1	69.1	54.8	47.7	43.2	45.9
60°	3420.8	1431.2	118.5	95.4	85.6	71.7	58.4	44.1	36.5	32.5	33.9
62.5°	3167.3	1122.0	106.5	85.1	76.2	62.8	49.0	34.8	27.6	24.1	24.5
65°	2781.4	836.4	92.7	75.3	67.7	54.4	39.2	26.7	20.9	17.8	17.4
67.5°	2215.9	566.8	78.9	65.1	60.2	45.9	31.2	20.9	16.5	14.3	13.4
70°	1302.5	285.6	65.5	56.1	51.7	38.3	24.5	16.9	15.2	13.4	12.5
72.5°	429.6	123.4	51.2	46.3	42.8	30.7	19.2	15.6	14.7	12.9	12.0
75°	149.7	71.3	37.9	35.6	33.9	23.2	16.0	14.3	14.3	12.5	11.1
77.5°	98.0	55.3	28.1	25.8	25.4	16.9	13.8	13.4	12.5	10.2	8.5
80°	81.5	31.2	19.6	18.3	17.8	10.7	11.1	9.8	7.6	4.5	1.8
82.5°	75.3	18.7	10.2	11.1	10.2	4.0	6.2	5.3	4.0	1.8	0.0
85°	44.1	8.5	5.8	5.8	4.5	0.9	3.1	3.1	1.8	0.4	0.0
87.5°	4.9	4.0	3.1	3.1	2.2	0.0	1.3	0.9	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)