

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: P367539

Luminaire Tested: **PMM-SA2D-727-U-T3-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367539
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-11)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA2D-727-U-T3-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8330 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

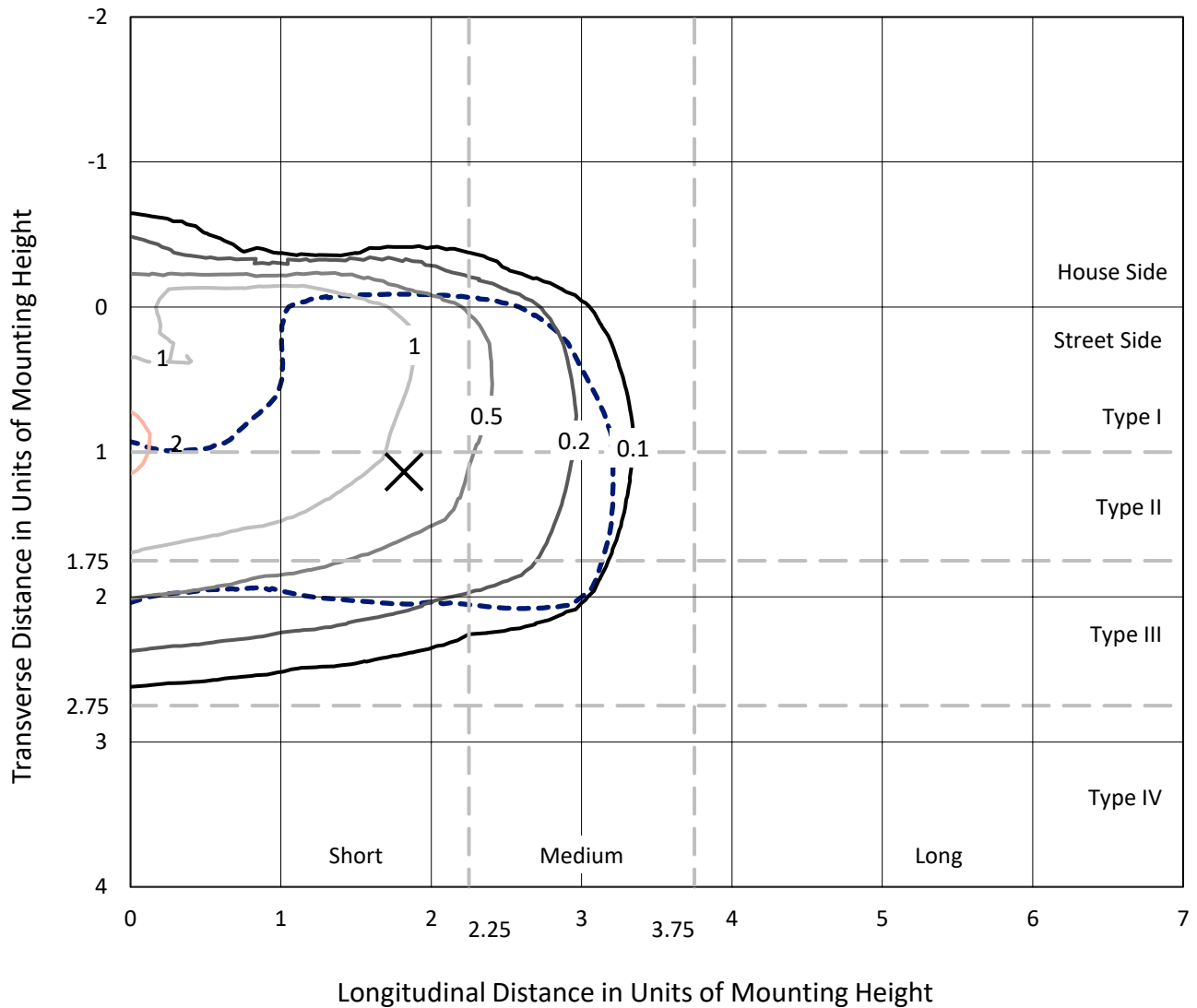
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P367539
 CATALOG NUMBER: PMM-SA2D-727-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

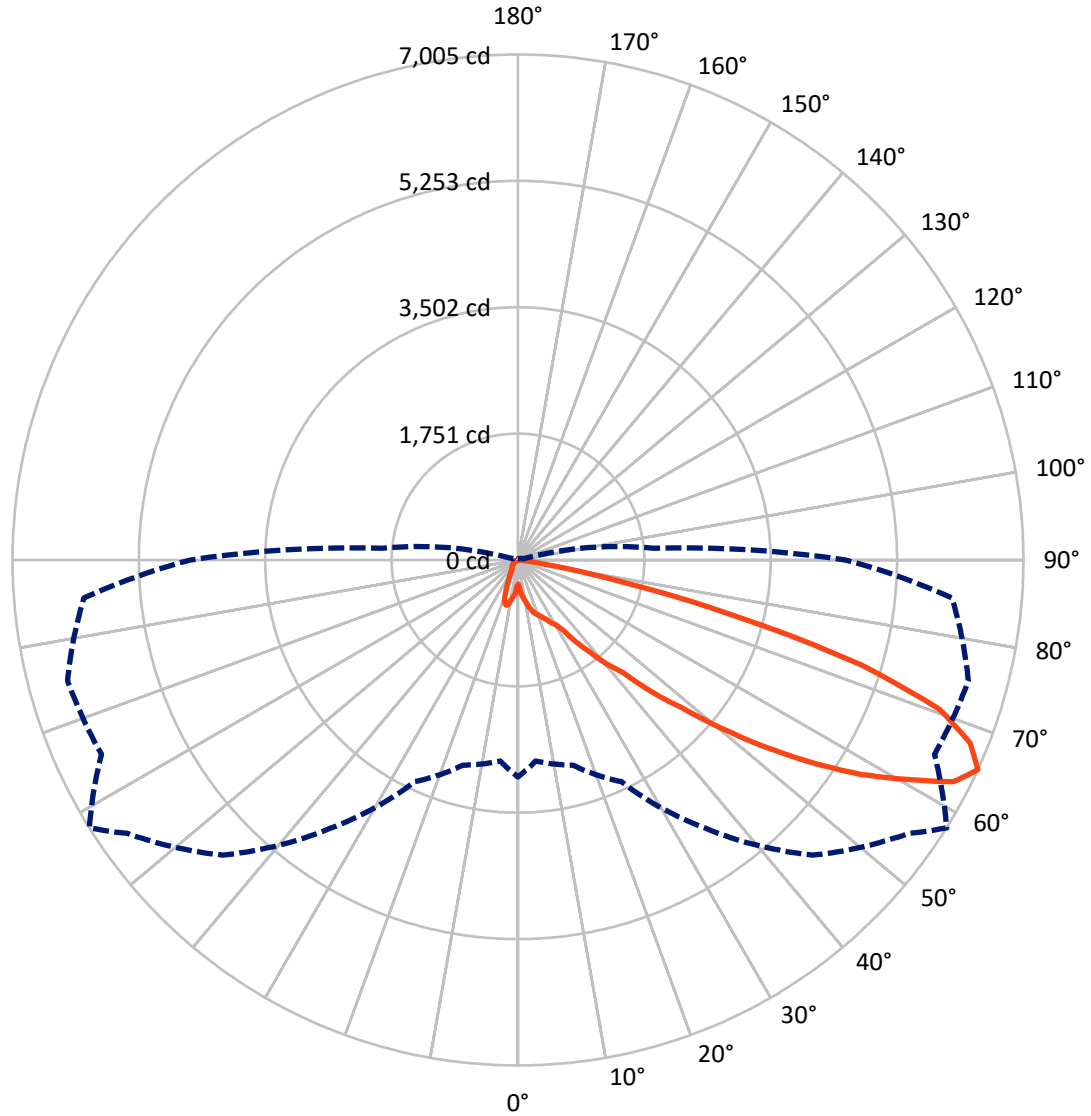
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Short - N/A

REPORT NUMBER: P367539
CATALOG NUMBER: PMM-SA2D-727-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P367539
 CATALOG NUMBER: PMM-SA2D-727-U-T3-HSS

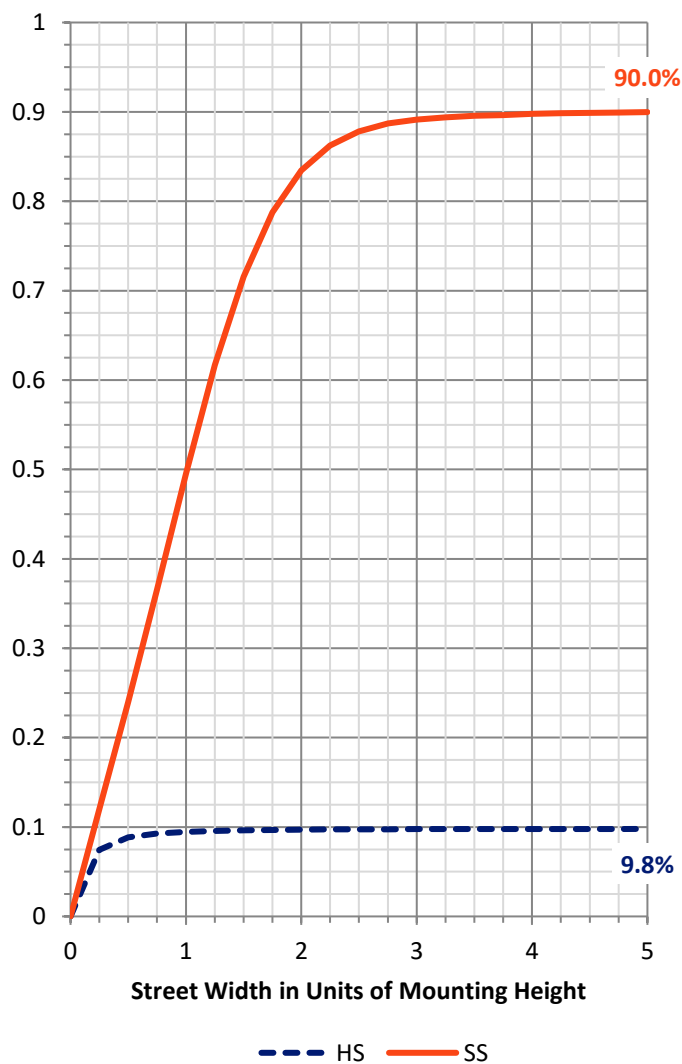
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	822.0	0.0	822.0
	% Fixture	9.9	0.0	9.9
Street Side	Lumens	7508.0	0.0	7508.0
	% Fixture	90.1	0.0	90.1
Total	Lumens	8330.0	0.0	8330.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.9	0.6
10°-20°	171.0	2.1
20°-30°	331.0	4.0
30°-40°	660.4	7.9
40°-50°	1350.0	16.2
50°-60°	2394.5	28.7
60°-70°	2524.4	30.3
70°-80°	818.4	9.8
80°-90°	33.5	0.4
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°	8330.0	100.0
0°-180°	8330.0	100.0

Coefficient of Utilization



REPORT NUMBER: P367539

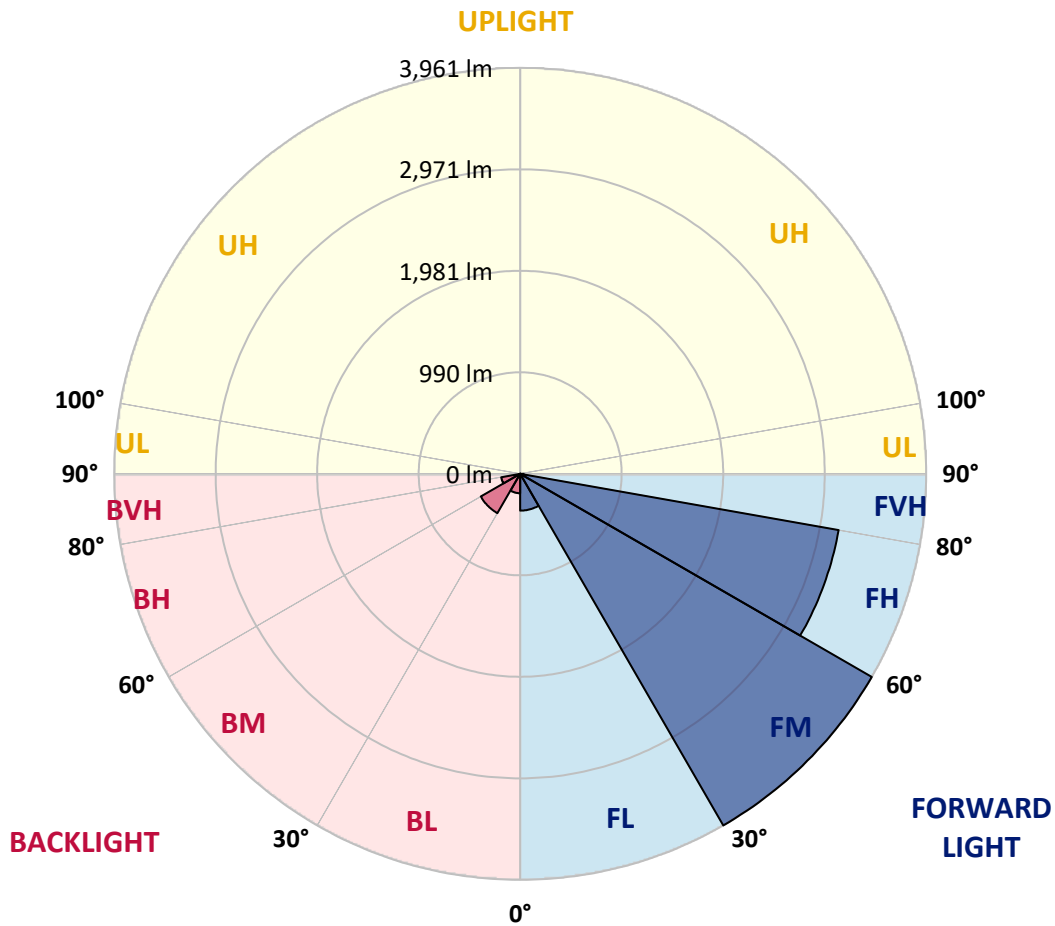
CATALOG NUMBER: PMM-SA2D-727-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	359.4	4.3			
FM (30°-60°)	3961.3	47.6			
FH (60°-80°)	3155.3	37.9			G2/5000
FVH (80°-90°)	32.0	0.4			G1/100
BL (0°-30°)	189.5	2.3	B1/500		
BM (30°-60°)	443.5	5.3	B1/1000		
BH (60°-80°)	187.6	2.3	B1/500		G1/500
BVH (80°-90°)	1.4	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 III Short





REPORT NUMBER: P367539

CATALOG NUMBER: PMM-SA2D-727-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	333.5	333.5	333.5	333.5	333.5	333.5	333.5	333.5	333.5	333.5	333.5
2.5°	407.1	394.9	375.7	379.0	382.7	390.2	384.1	378.5	372.4	364.4	394.9
5°	491.5	471.4	469.5	465.3	462.0	461.5	469.0	466.7	469.9	485.0	500.4
7.5°	522.5	514.0	498.1	504.6	494.3	486.4	519.7	530.4	551.1	558.1	598.5
10°	519.2	507.0	513.6	516.8	523.9	553.0	574.1	585.8	603.6	642.1	634.1
12.5°	534.2	545.0	552.0	552.5	588.6	642.1	657.1	666.9	698.8	713.8	753.2
15°	584.4	602.2	590.9	595.6	607.4	672.6	707.7	729.3	774.3	823.1	833.0
17.5°	656.1	667.4	643.9	627.1	659.4	695.1	758.9	781.4	810.0	923.9	945.0
20°	746.7	765.9	715.2	648.2	690.8	733.1	802.5	813.3	843.7	992.4	1025.7
22.5°	958.2	929.6	852.2	747.6	734.9	753.7	819.8	862.0	913.6	1030.9	1108.3
25°	1166.9	1157.0	1043.1	926.3	841.9	799.7	887.4	910.8	995.2	1122.3	1165.0
27.5°	1399.0	1418.7	1228.3	1157.5	991.9	854.1	929.6	988.2	1088.1	1155.6	1258.3
30°	1705.3	1673.9	1450.6	1379.8	1190.8	1003.7	1038.8	1042.6	1189.4	1265.4	1362.9
32.5°	1945.4	1965.6	1685.1	1576.3	1425.3	1234.0	1120.9	1169.7	1274.8	1444.1	1536.5
35°	2205.3	2203.4	1930.0	1783.6	1586.2	1422.0	1364.3	1400.0	1531.8	1723.6	1748.0
37.5°	2593.6	2560.3	2237.6	2023.3	1855.4	1715.2	1671.1	1623.7	1759.7	1942.6	2034.1
40°	2959.9	2845.0	2546.7	2292.5	2077.7	2020.5	1861.0	1890.1	1930.4	2172.0	2424.8
42.5°	3329.9	3258.6	2860.0	2647.1	2383.0	2247.0	2142.9	2129.3	2321.1	2607.2	2868.4
45°	3818.2	3600.1	3281.2	3094.0	2788.2	2651.8	2567.8	2618.0	2790.6	3208.5	3382.5
47.5°	4228.1	4027.3	3753.4	3469.2	3148.4	3301.8	3144.2	3064.9	3301.8	3733.8	3965.0
50°	4580.3	4356.6	4079.4	3868.8	3816.8	3964.0	3645.1	3674.2	3828.0	4335.5	4465.9
52.5°	4836.4	4600.9	4358.9	4257.2	4470.6	4544.7	4384.7	4320.5	4460.2	4848.6	4911.9
55°	5029.1	4788.1	4599.1	4739.3	5152.0	5127.6	5183.9	4964.4	5098.1	5383.7	5353.7
57.5°	5040.9	4755.2	4644.6	4870.2	5436.7	5814.3	5978.9	5605.6	5681.5	5802.1	5734.5
60°	4672.2	4388.0	4379.1	4699.4	5519.3	5992.0	6352.2	6170.2	6068.5	6158.0	6030.0
62.5°	3937.8	3738.9	3831.8	4185.9	5212.1	5894.0	6551.1	6770.1	6373.8	6393.9	6212.0
65°	3006.8	2798.1	2943.5	3389.5	4540.4	5784.2	6607.3	7004.6	6368.2	6461.0	6037.5
67.5°	1991.4	1870.4	2035.0	2526.5	3609.9	5106.1	6578.3	6758.4	6166.0	6198.8	5389.8
70°	1028.1	998.5	1131.7	1519.6	2427.1	3922.8	6292.6	6194.2	5755.6	5340.1	4157.3
72.5°	329.2	330.6	458.7	694.1	1308.5	2388.2	4836.9	4971.9	4605.6	3906.3	2538.3
75°	145.9	143.5	191.8	291.3	545.5	1070.7	3004.9	3150.8	2867.5	2149.0	1067.0
77.5°	105.1	101.8	122.9	170.2	270.1	363.0	1408.9	1520.5	1300.1	744.8	244.4
80°	74.1	73.6	89.1	119.6	168.8	161.3	445.1	499.0	399.6	180.6	71.8
82.5°	41.7	43.1	61.9	84.4	102.7	80.7	125.2	137.9	134.6	96.1	31.4
85°	20.2	22.5	40.3	61.0	53.9	31.4	44.6	48.3	56.3	55.8	15.9
87.5°	0.0	0.0	16.4	27.7	14.5	4.7	13.6	15.5	15.0	17.8	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P367539
 CATALOG NUMBER: PMM-SA2D-727-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	333.5	333.5	333.5	333.5	333.5	333.5	333.5	333.5	333.5	333.5	333.5
2.5°	401.0	398.2	362.5	365.4	373.3	370.0	372.9	366.3	358.8	389.3	388.8
5°	507.0	485.9	474.6	464.3	466.2	445.1	457.3	462.9	462.0	479.3	484.0
7.5°	599.9	571.7	549.2	527.6	494.8	465.3	483.5	495.3	503.2	533.3	545.0
10°	643.5	620.5	611.6	569.4	545.9	527.6	505.6	489.6	496.2	488.2	496.2
12.5°	739.2	723.7	689.4	646.8	618.6	581.1	499.0	430.5	388.3	388.8	386.0
15°	826.4	825.4	774.3	703.5	621.9	515.0	386.9	300.6	260.8	249.5	245.8
17.5°	940.4	926.3	833.0	728.4	581.6	398.7	263.6	205.9	202.1	208.7	205.9
20°	1013.1	992.4	862.0	692.3	479.3	269.7	198.9	182.4	193.7	203.1	200.7
22.5°	1085.7	1054.8	884.1	648.2	341.0	197.5	179.6	176.8	183.9	195.6	197.5
25°	1125.6	1119.5	927.2	565.6	233.6	173.1	173.1	172.1	174.5	182.9	181.5
27.5°	1241.5	1158.9	894.9	441.3	180.6	159.0	161.3	160.4	152.0	160.4	160.9
30°	1313.7	1275.7	897.2	314.2	159.0	140.7	146.8	139.3	126.6	133.7	132.3
32.5°	1459.1	1364.3	890.2	212.0	144.9	134.1	124.8	114.0	104.6	107.4	105.1
35°	1628.4	1556.2	795.0	170.2	135.1	118.7	103.7	92.9	83.0	85.4	84.9
37.5°	1965.1	1735.8	716.2	153.4	128.5	108.8	91.5	76.4	71.3	72.7	74.1
40°	2277.0	2035.5	569.4	145.9	117.3	97.1	75.5	64.7	61.4	62.4	63.8
42.5°	2743.2	2273.7	430.1	138.4	106.0	82.1	62.8	55.8	52.5	54.4	55.3
45°	3194.4	2476.3	321.3	131.8	96.6	70.8	53.0	48.3	44.6	46.0	47.8
47.5°	3645.1	2701.5	239.7	121.5	86.3	61.0	45.5	42.2	39.9	40.3	42.7
50°	4048.5	2806.5	188.5	108.8	77.9	53.0	41.3	38.0	37.1	37.5	39.4
52.5°	4344.9	2807.5	159.0	97.6	69.9	46.9	38.9	35.2	34.7	35.6	37.5
55°	4612.7	2732.4	137.9	87.7	62.8	42.7	37.1	33.8	33.8	34.7	36.6
57.5°	4790.4	2594.5	119.6	77.4	56.7	40.3	35.6	32.4	31.9	31.4	32.8
60°	4877.2	2406.5	101.3	68.0	51.1	38.9	34.7	28.6	28.1	27.2	28.1
62.5°	4822.3	2171.0	84.9	58.6	45.5	37.1	30.5	24.9	23.9	22.0	23.5
65°	4541.8	1884.9	71.8	50.2	39.4	31.4	25.8	21.1	18.8	16.4	15.9
67.5°	3968.3	1531.3	60.0	43.1	33.8	25.8	21.1	18.8	14.5	12.7	12.2
70°	2974.0	1045.4	49.7	37.1	28.1	22.0	17.8	16.9	13.6	12.2	11.3
72.5°	1744.7	564.2	41.7	32.4	23.9	18.3	14.5	15.5	13.6	11.3	10.3
75°	696.9	187.6	33.3	25.8	19.2	13.1	12.2	12.7	12.2	10.3	8.4
77.5°	159.0	59.1	25.8	20.2	15.0	8.4	9.8	10.8	10.8	8.4	6.1
80°	49.7	23.5	15.0	12.7	10.8	4.7	7.0	7.5	5.2	2.3	0.0
82.5°	15.9	6.6	5.2	5.2	4.7	0.9	1.4	0.9	0.0	0.0	0.0
85°	6.1	4.2	3.3	3.3	1.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	1.9	1.4	1.9	0.9	0.0	0.0	0.0	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)