

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: P367155

Luminaire Tested: **PMM-SA2A-730-U-SL3-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-19)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA2A-730-U-SL3-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5944 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

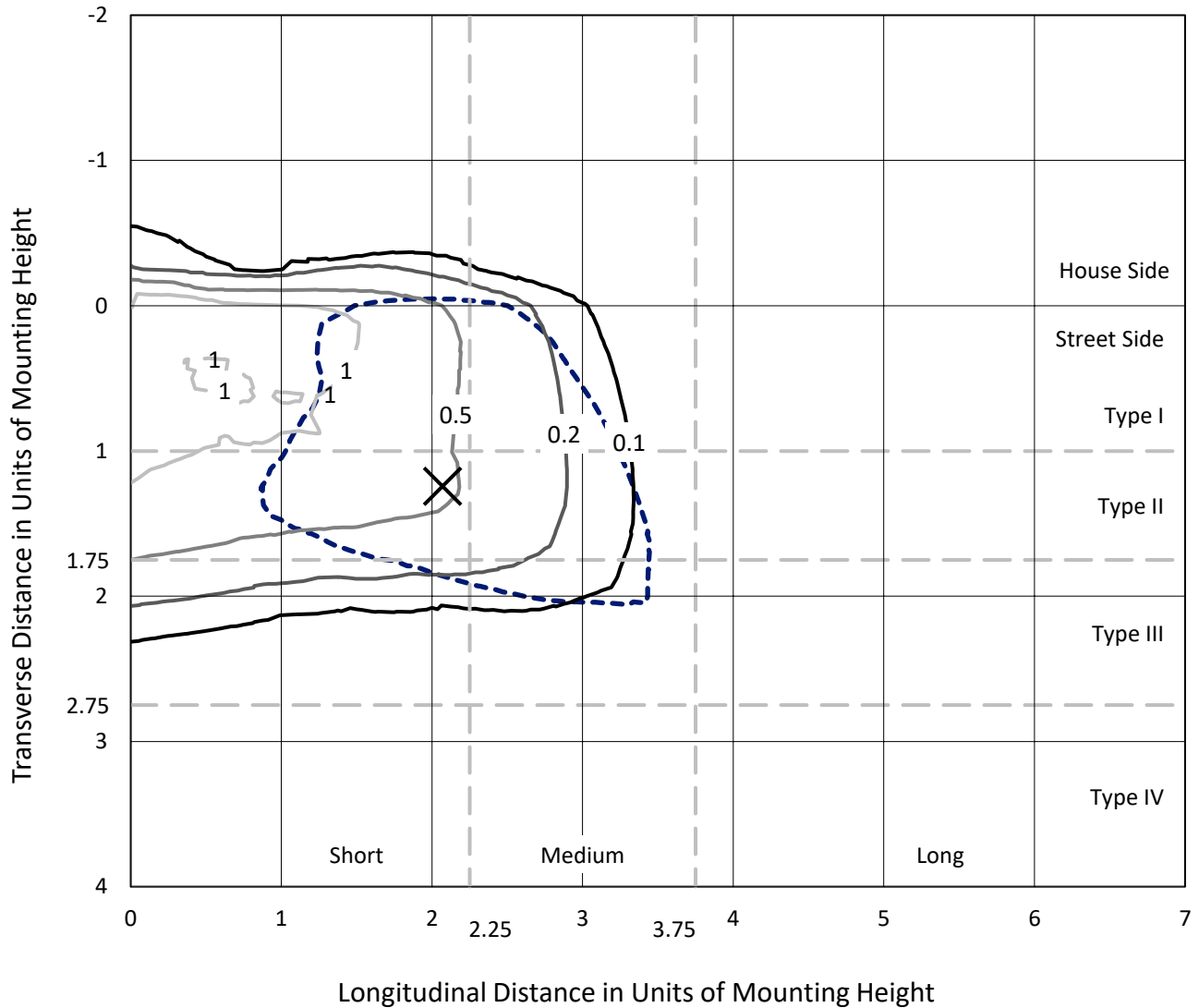
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

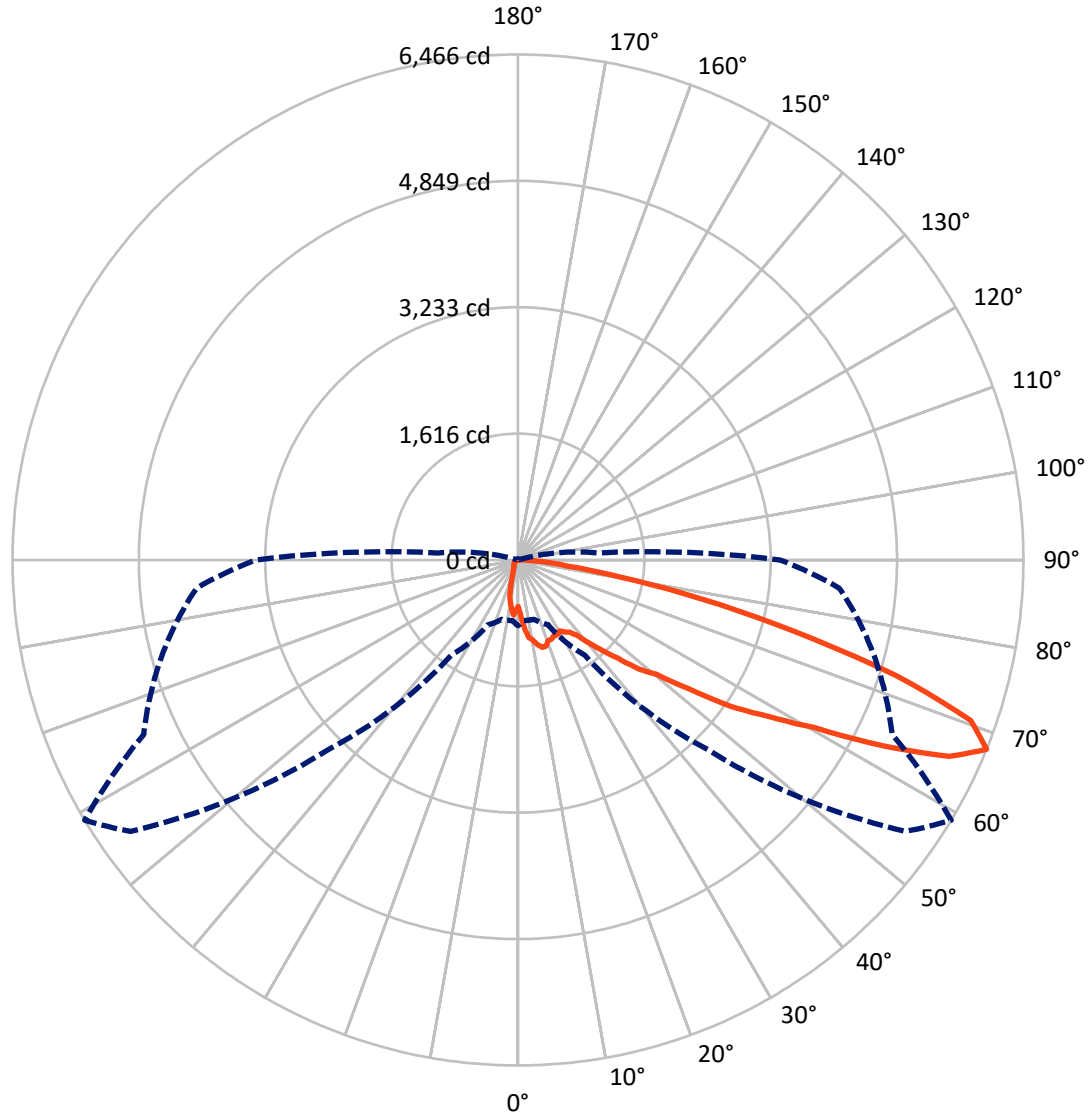
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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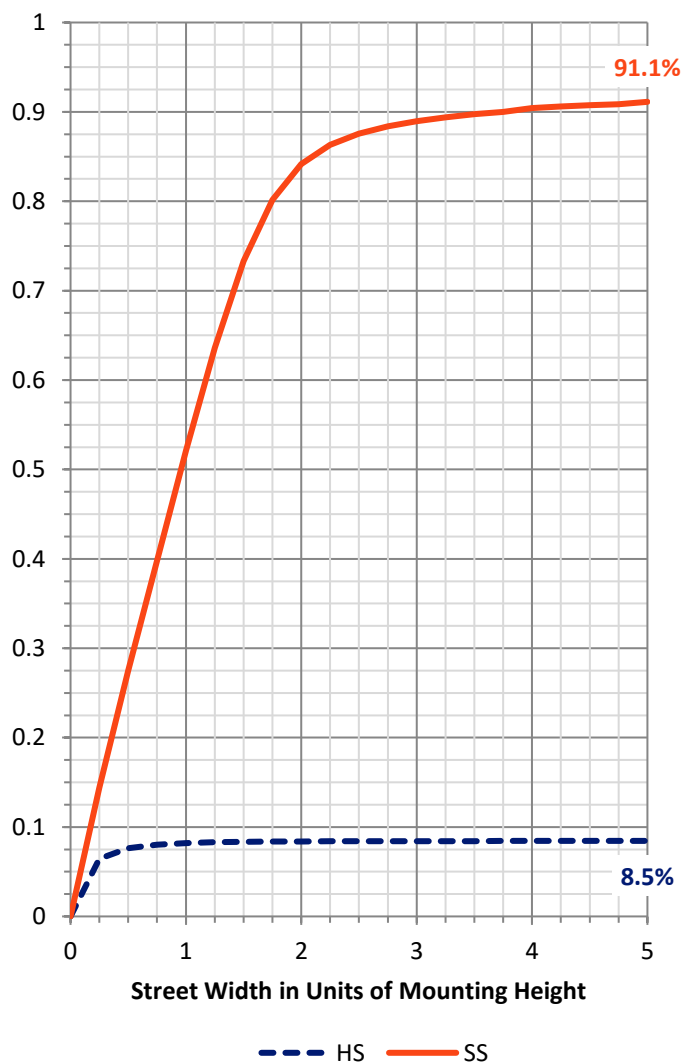
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	505.5	0.0	505.5
	% Fixture	8.5	0.0	8.5
Street Side	Lumens	5438.5	0.0	5438.5
	% Fixture	91.5	0.0	91.5
Total	Lumens	5944.0	0.0	5944.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	1.2
10°-20°	203.6	3.4
20°-30°	302.9	5.1
30°-40°	467.2	7.9
40°-50°	833.9	14.0
50°-60°	1483.9	25.0
60°-70°	1728.2	29.1
70°-80°	768.6	12.9
80°-90°	83.5	1.4
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°	5944.0	100.0
0°-180°	5944.0	100.0

Coefficient of Utilization



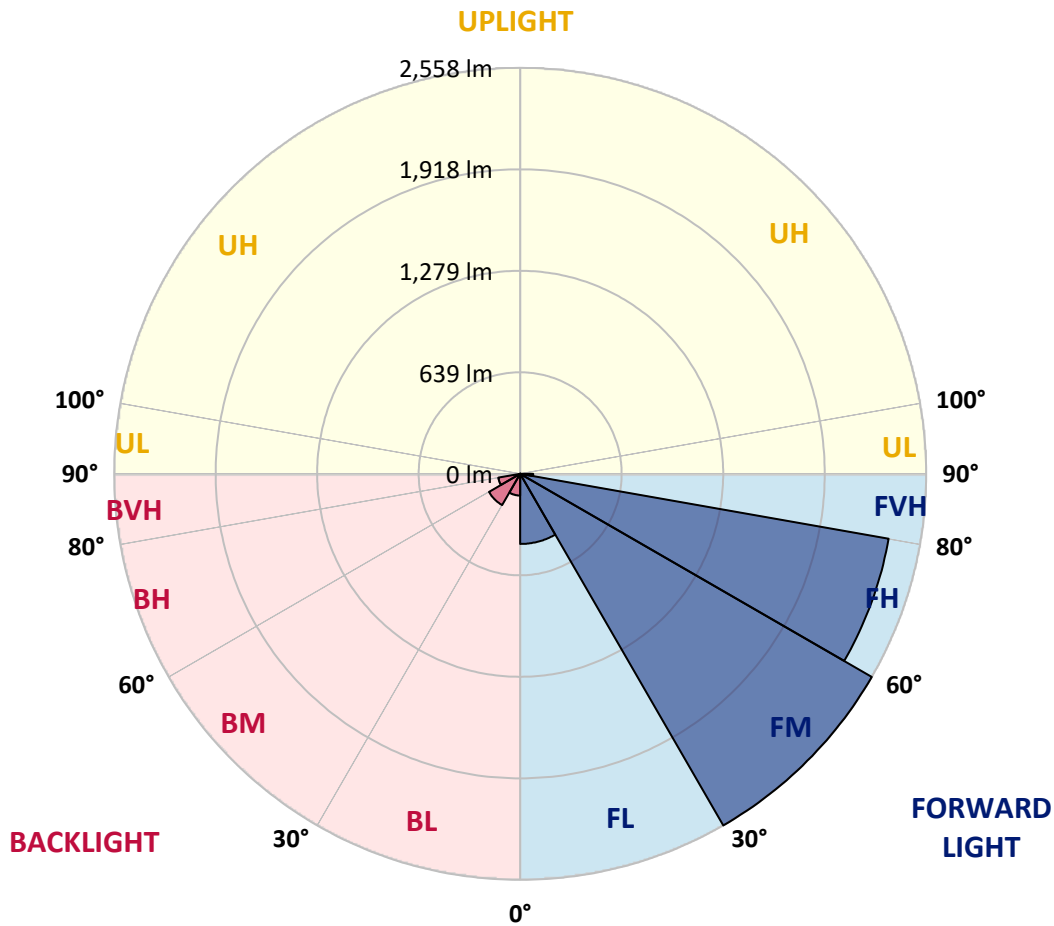
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	442.1	7.4			
FM (30°-60°)	2557.7	43.0			
FH (60°-80°)	2356.7	39.6			G2/5000
FVH (80°-90°)	82.0	1.4			G1/100
BL (0°-30°)	136.7	2.3	B1/500		
BM (30°-60°)	227.3	3.8	B1/1000		
BH (60°-80°)	140.0	2.4	B1/500		G1/500
BVH (80°-90°)	1.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	594.7	594.7	594.7	594.7	594.7	594.7	594.7	594.7	594.7	594.7	594.7
2.5°	775.3	746.1	704.6	716.9	728.0	738.6	721.1	711.2	706.4	663.6	717.2
5°	952.0	915.6	896.6	891.8	879.7	852.9	897.5	877.6	884.2	892.7	910.1
7.5°	1005.8	989.3	961.9	972.1	926.4	922.5	984.2	1001.3	1023.9	1008.5	1029.6
10°	978.2	949.6	962.5	958.9	957.1	997.4	1040.8	1041.7	1075.4	1091.6	1020.3
12.5°	923.4	926.7	973.0	969.4	1029.6	1110.3	1120.2	1109.7	1164.8	1136.5	1125.6
15°	959.8	986.9	961.3	970.0	991.4	1092.2	1127.4	1159.9	1212.0	1228.9	1155.7
17.5°	1003.7	1006.4	959.8	949.0	1002.8	1049.8	1132.9	1159.6	1164.8	1312.5	1223.4
20°	980.0	1003.1	947.5	879.1	962.8	1026.6	1110.9	1102.5	1136.8	1337.2	1238.8
22.5°	1043.2	1010.1	938.7	887.3	915.6	973.6	1045.0	1100.0	1151.5	1278.2	1258.7
25°	1049.2	1037.1	973.6	927.9	923.1	937.8	1037.1	1072.7	1153.3	1331.2	1241.8
27.5°	1116.9	1103.1	973.0	977.5	932.4	887.0	999.2	1082.6	1186.1	1299.0	1277.6
30°	1204.2	1205.4	1037.7	1051.9	987.5	914.3	1030.2	1053.1	1208.4	1350.5	1304.1
32.5°	1292.7	1329.1	1165.7	1090.7	1070.5	1018.2	991.7	1097.3	1184.0	1438.3	1370.3
35°	1427.2	1451.9	1271.0	1203.9	1124.7	1065.1	1096.4	1134.4	1271.6	1554.8	1457.3
37.5°	1655.0	1610.5	1460.0	1343.2	1324.3	1236.4	1252.0	1218.0	1361.0	1692.1	1629.5
40°	1783.2	1742.9	1586.4	1529.5	1408.5	1422.1	1372.7	1392.6	1490.7	1835.0	1786.3
42.5°	1916.9	1878.4	1741.1	1700.8	1585.5	1529.5	1507.3	1578.6	1689.6	2073.1	2011.1
45°	2051.1	1953.3	1895.2	1915.4	1863.6	1752.8	1727.0	1790.5	1906.9	2365.6	2248.2
47.5°	2164.3	2081.8	2038.2	2028.8	2008.7	2162.5	2057.1	2085.1	2136.6	2624.5	2543.8
50°	2368.3	2287.1	2218.7	2199.8	2297.9	2516.1	2353.6	2299.4	2402.3	2937.2	2886.3
52.5°	2663.0	2559.4	2450.8	2451.1	2636.2	2756.0	2833.0	2737.9	2757.2	3281.2	3258.6
55°	2899.8	2768.3	2678.3	2749.4	3025.3	3092.5	3386.5	3303.1	3278.2	3600.2	3572.5
57.5°	2932.3	2774.6	2731.9	2856.5	3234.2	3662.8	3979.1	3770.9	3732.6	3867.2	3922.2
60°	2629.0	2461.6	2493.8	2694.3	3302.2	4010.4	4523.3	4353.2	4110.3	4179.9	4217.8
62.5°	1960.8	1827.2	1917.5	2182.9	3040.1	4243.4	5153.2	5232.1	4548.6	4414.6	4406.5
65°	1272.2	1188.5	1247.8	1465.4	2300.6	4216.9	5716.0	6057.9	4893.8	4606.0	4465.8
67.5°	841.5	778.0	786.4	915.2	1487.7	3429.6	6052.5	6465.7	5282.0	4714.7	4126.0
70°	627.2	577.3	580.3	650.1	883.0	2261.8	5583.3	6144.0	5423.8	4338.2	3330.2
72.5°	452.4	418.9	446.9	524.6	703.7	1196.1	4161.5	5059.9	4729.4	3421.7	2243.7
75°	313.3	291.3	337.1	438.8	642.3	742.5	2750.0	3642.3	3314.9	2146.8	1014.3
77.5°	173.7	167.0	233.0	357.6	583.0	608.6	1684.5	2393.3	1838.6	769.6	241.4
80°	75.8	73.4	112.9	268.5	490.0	549.9	948.4	1327.0	723.2	137.2	78.0
82.5°	32.5	31.3	48.2	161.6	356.0	459.9	584.8	638.7	248.9	42.4	44.2
85°	5.7	6.3	19.3	85.2	216.7	233.6	423.5	378.0	125.2	20.2	31.6
87.5°	0.0	0.0	3.0	16.6	40.6	66.8	183.6	132.4	23.8	6.6	5.4
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°	594.7	594.7	594.7	594.7	594.7	594.7	594.7	594.7	594.7	594.7	594.7
2.5°	724.7	707.9	643.8	635.6	626.9	614.0	609.2	581.5	577.9	613.4	613.4
5°	902.0	841.8	780.7	732.6	689.5	629.9	613.1	595.6	581.5	577.9	589.0
7.5°	995.6	922.2	826.2	703.7	604.3	518.0	481.9	456.6	428.3	436.7	441.2
10°	990.5	912.5	790.0	632.6	522.5	427.1	335.3	281.7	251.9	237.2	235.4
12.5°	1040.8	967.3	765.7	576.1	435.5	303.7	211.0	172.8	150.8	151.1	149.3
15°	1069.9	989.9	737.4	504.4	306.7	195.3	146.3	137.8	134.8	138.1	136.3
17.5°	1121.4	1013.7	673.3	397.6	211.0	147.5	134.5	131.2	135.1	142.1	140.3
20°	1117.5	972.4	582.1	280.2	155.9	132.7	127.3	122.2	130.3	137.5	136.3
22.5°	1113.9	932.1	496.3	206.8	130.3	121.0	116.5	114.4	118.6	127.0	128.8
25°	1082.0	912.2	409.3	155.3	118.0	109.9	107.7	105.9	107.4	114.4	114.1
27.5°	1121.1	862.0	316.0	130.3	109.3	99.6	97.8	94.8	91.8	97.8	98.7
30°	1113.0	868.9	247.7	114.7	100.5	87.6	88.2	81.9	76.4	81.9	81.9
32.5°	1142.5	818.3	198.3	104.1	91.8	82.5	74.9	68.3	64.4	67.7	68.3
35°	1185.5	820.4	155.3	97.5	84.3	73.4	64.4	57.8	54.2	55.7	56.6
37.5°	1329.7	806.0	129.7	92.4	81.6	68.0	58.7	50.0	47.6	49.4	50.3
40°	1423.6	844.5	114.4	89.7	74.6	62.6	50.3	43.9	41.8	42.7	44.2
42.5°	1600.6	865.9	106.8	86.7	68.3	53.6	43.0	39.4	36.4	37.6	38.8
45°	1789.9	902.3	101.1	83.4	63.5	47.0	37.9	34.9	31.0	31.3	32.5
47.5°	2022.5	989.0	94.5	77.7	56.9	42.7	33.7	29.2	25.6	25.3	26.8
50°	2334.9	1104.9	88.5	70.4	52.7	39.1	29.5	23.8	20.8	19.9	21.1
52.5°	2668.4	1254.7	82.2	65.3	47.6	34.3	25.3	19.3	16.6	16.0	16.9
55°	2998.9	1398.6	76.1	62.0	42.1	29.5	21.4	16.0	13.5	12.9	13.5
57.5°	3375.4	1554.2	68.3	55.4	37.0	25.6	17.8	13.2	11.1	10.5	10.8
60°	3658.9	1609.0	61.7	48.2	32.2	22.6	15.0	10.5	9.0	8.4	8.7
62.5°	3793.4	1519.6	55.4	41.8	28.3	19.6	12.6	8.7	7.5	6.9	6.9
65°	3758.5	1321.6	49.1	35.8	24.4	16.3	9.9	7.5	6.6	5.7	5.4
67.5°	3355.2	1034.1	41.8	30.1	20.5	13.2	8.4	7.2	6.0	5.4	4.5
70°	2660.9	748.8	34.0	25.0	17.2	10.8	6.6	6.6	5.7	5.4	4.2
72.5°	1744.1	471.3	27.7	20.2	14.1	8.4	5.1	6.0	5.4	5.4	3.9
75°	755.7	168.5	22.3	16.3	11.7	5.7	4.5	5.4	5.7	5.4	4.5
77.5°	177.0	52.4	17.5	12.9	9.6	3.9	4.5	5.4	5.7	5.1	3.9
80°	66.5	22.3	11.4	8.4	7.5	2.4	3.9	3.3	3.0	2.1	0.6
82.5°	40.3	9.3	6.0	4.2	3.6	0.6	1.8	1.2	0.6	0.6	0.0
85°	28.6	4.5	3.3	3.0	1.8	0.0	0.3	0.0	0.0	0.3	0.0
87.5°	3.9	1.2	1.5	1.5	1.2	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)