

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P629458

Luminaire Tested: GWS-SA1B-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3542.9 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

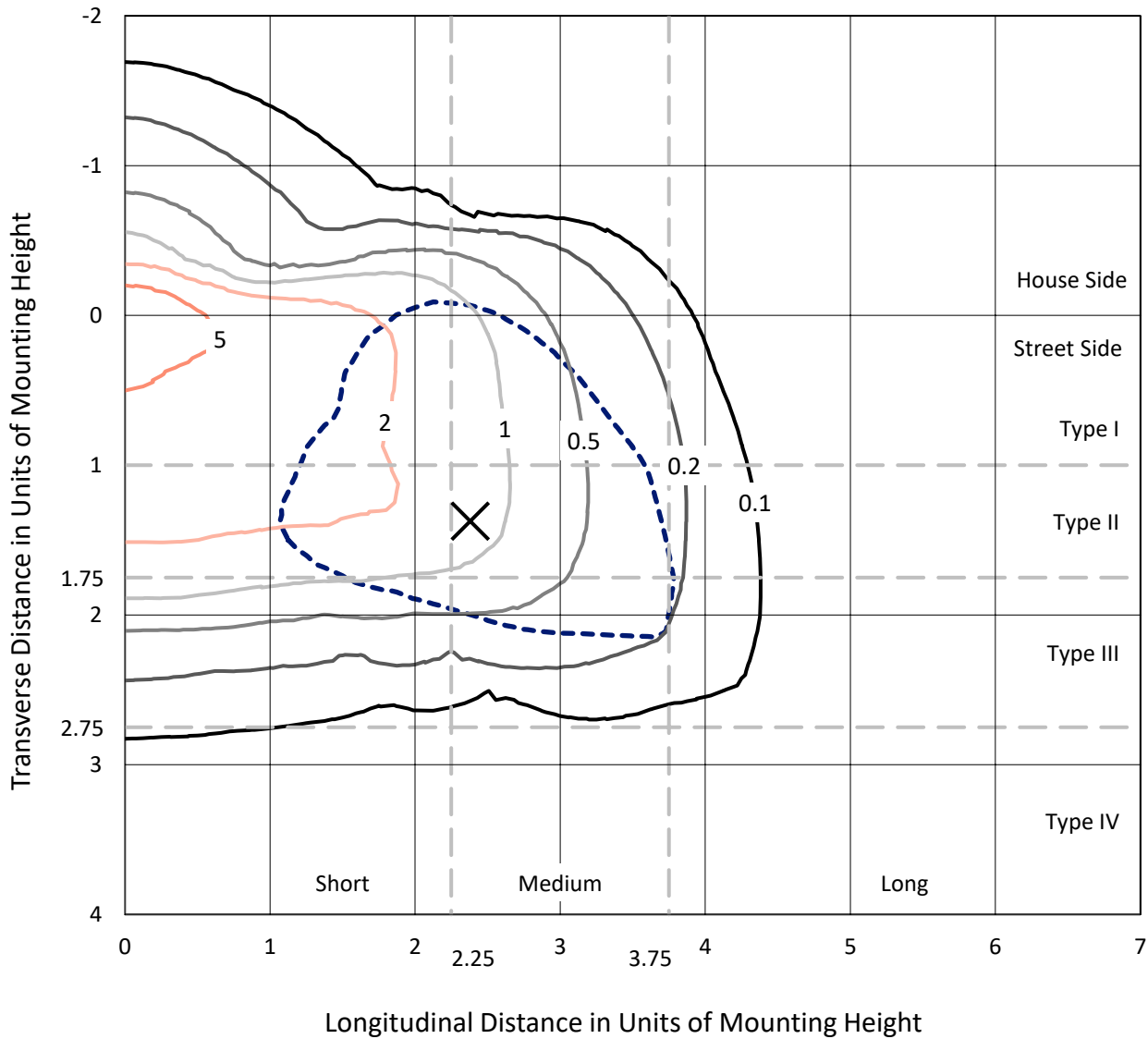


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Iso-Footcandle Lines of Horizontal Illumination

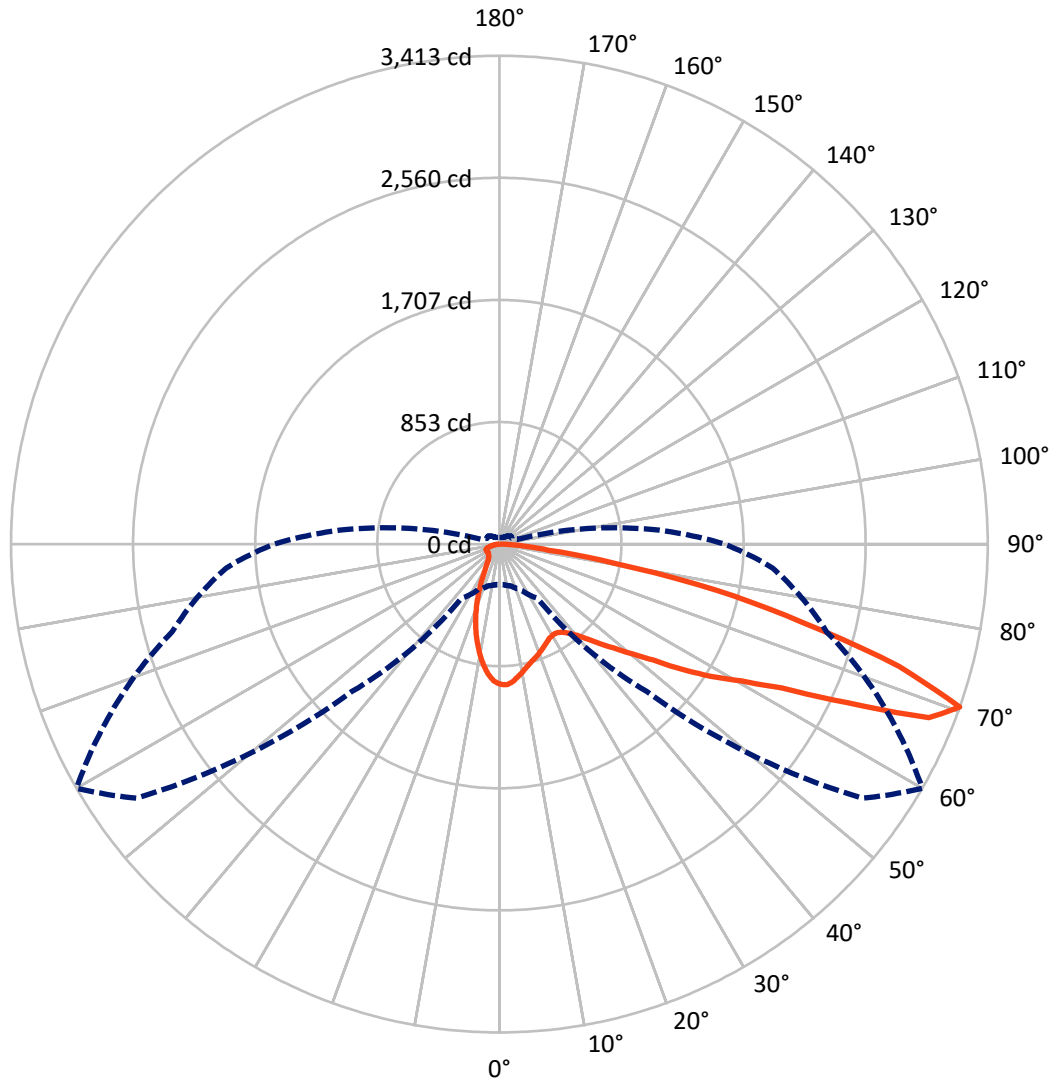
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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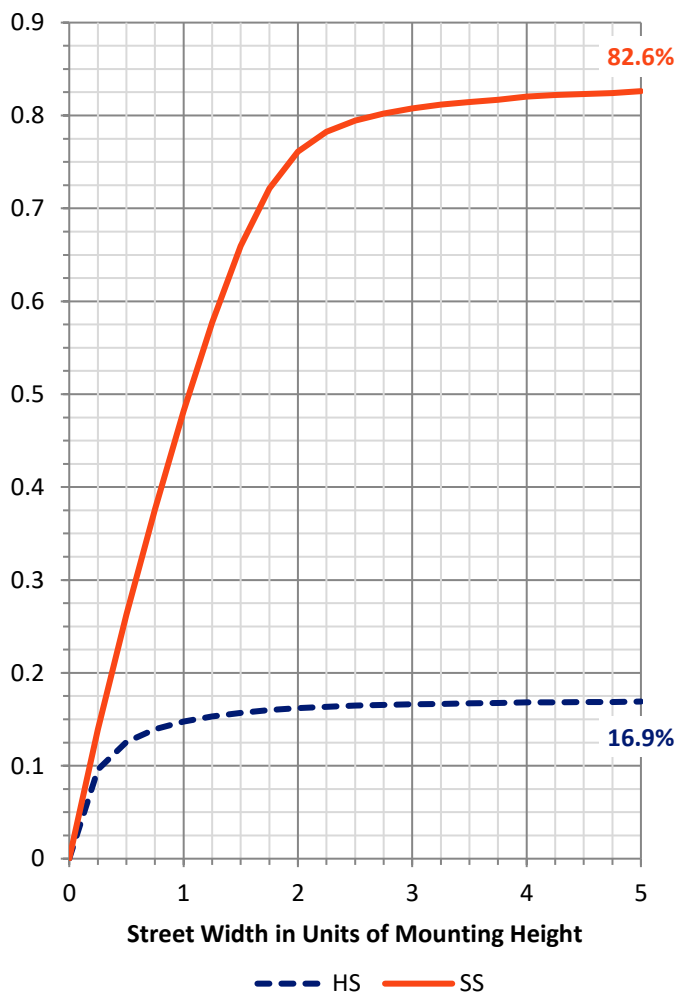
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	605.9	0.0	605.9
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	2937.0	0.0	2937.0
	% Fixture	82.9	0.0	82.9
Total	Lumens	3542.9	0.0	3542.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	2.4
10°-20°	189.3	5.3
20°-30°	242.5	6.8
30°-40°	318.6	9.0
40°-50°	462.3	13.0
50°-60°	721.3	20.4
60°-70°	944.3	26.7
70°-80°	522.2	14.7
80°-90°	57.9	1.6
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°	3542.9	100.0
0°-180°	3542.9	100.0

Coefficient of Utilization



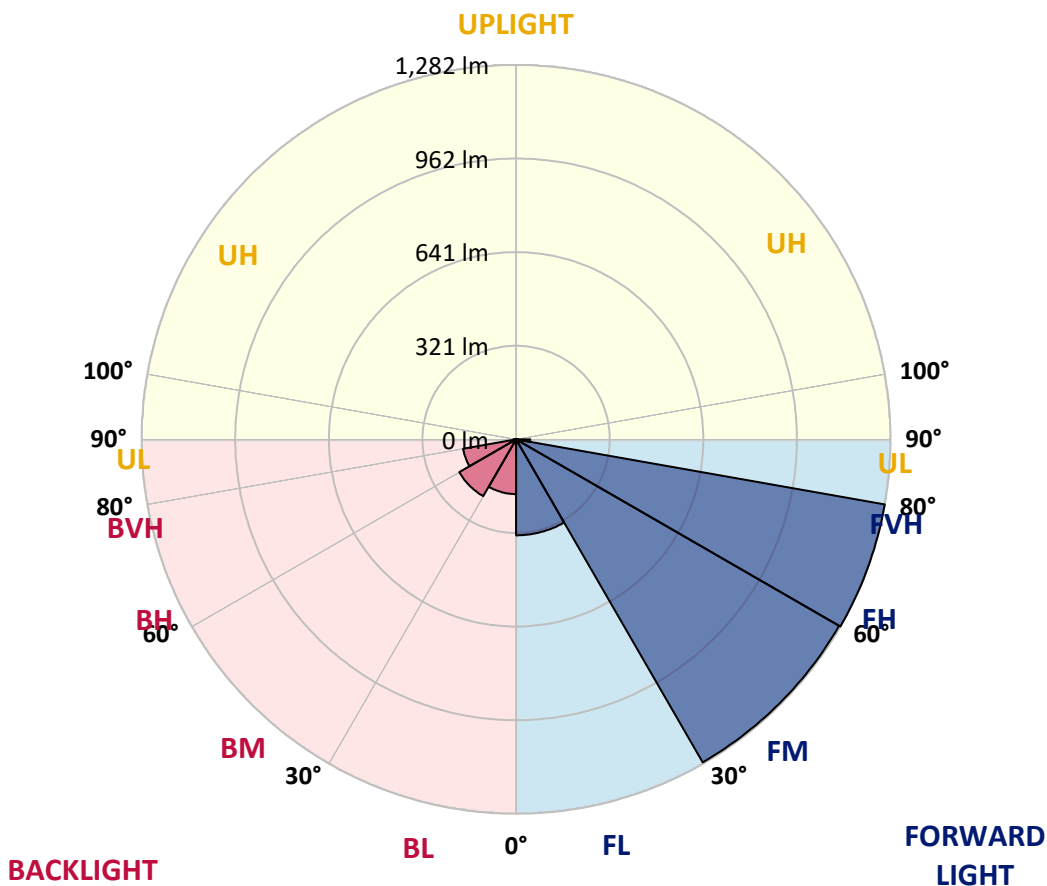
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	328.8	9.3			
FM (30°-60°)	1277.6	36.1			
FH (60°-80°)	1282.3	36.2			G1/1800
FVH (80°-90°)	48.3	1.4			G1/100
BL (0°-30°)	187.5	5.3	B1/500		
BM (30°-60°)	224.7	6.3	B1/1000		
BH (60°-80°)	184.1	5.2	B1/500		G1/500
BVH (80°-90°)	9.7	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	980.4	980.4	980.4	980.4	980.4	980.4	980.4	980.4	980.4	980.4	980.4
2.5°	966.6	967.7	970.5	974.7	978.8	980.9	986.1	984.5	983.5	981.4	978.8
5°	923.9	925.9	928.5	936.6	945.6	952.9	964.6	965.9	966.4	967.4	963.3
7.5°	869.4	869.9	876.2	886.8	898.7	911.2	930.6	936.0	940.7	945.9	942.5
10°	809.3	810.6	815.2	830.5	851.0	869.4	895.6	904.7	914.5	925.9	921.3
12.5°	760.0	760.3	767.8	784.1	806.4	831.3	864.0	874.9	887.8	905.7	901.6
15°	720.9	720.9	727.9	741.9	767.5	796.8	835.7	849.7	867.3	891.5	884.2
17.5°	689.8	690.0	694.4	709.2	732.0	764.4	810.6	829.5	848.9	880.8	869.9
20°	673.5	672.2	672.9	682.0	701.4	732.8	785.4	807.5	833.6	873.6	857.0
22.5°	672.7	670.3	667.0	667.7	679.2	705.1	758.5	785.2	818.1	867.6	843.8
25°	685.9	683.3	677.3	670.6	669.6	685.1	733.1	763.4	802.0	865.0	831.1
27.5°	708.2	706.4	698.6	688.5	677.9	677.3	713.9	745.5	790.4	867.6	822.0
30°	737.7	734.6	729.7	716.7	700.7	684.1	706.4	735.9	782.6	875.9	818.1
32.5°	771.2	769.4	764.7	751.7	734.6	708.2	712.3	738.0	782.6	890.4	818.9
35°	806.7	806.4	806.4	797.9	779.0	746.0	735.9	755.6	794.5	913.7	827.2
37.5°	841.2	840.9	849.2	852.3	830.8	795.3	776.1	790.9	820.7	948.2	847.6
40°	869.2	870.2	888.3	903.9	892.0	859.1	832.1	839.6	863.2	997.2	883.4
42.5°	897.4	900.3	927.5	955.0	959.6	931.1	903.9	908.3	924.1	1062.0	936.8
45°	928.3	929.6	967.7	1006.0	1028.6	1011.7	989.4	995.4	999.0	1142.1	1016.4
47.5°	958.1	961.4	1010.7	1063.3	1106.1	1104.5	1092.1	1090.3	1091.1	1239.6	1110.5
50°	998.8	1003.7	1061.5	1125.0	1187.7	1216.5	1220.1	1206.4	1200.7	1347.9	1227.7
52.5°	1076.0	1076.0	1127.9	1190.3	1274.6	1345.9	1370.2	1347.7	1329.5	1462.5	1352.1
55°	1172.7	1176.9	1218.1	1268.6	1375.4	1482.0	1564.4	1539.5	1488.2	1587.2	1482.5
57.5°	1215.7	1220.9	1286.2	1364.8	1507.4	1636.7	1751.0	1742.2	1667.3	1716.8	1617.8
60°	1138.0	1148.9	1238.8	1370.5	1626.9	1886.3	1967.0	1941.3	1834.2	1852.9	1764.5
62.5°	949.3	961.2	1061.0	1244.8	1610.3	2156.2	2307.3	2212.7	2042.6	2024.8	1960.0
65°	566.4	565.9	685.9	929.6	1405.7	2231.1	2846.0	2669.4	2364.6	2260.6	2161.1
67.5°	360.1	359.3	384.4	492.5	935.5	2047.6	3192.3	3238.2	2801.9	2434.1	2177.7
70°	284.1	283.8	302.0	351.2	462.7	1457.1	3095.9	3413.4	3066.0	2368.0	1917.4
72.5°	207.1	207.6	235.6	294.2	356.9	731.5	2506.9	2920.6	2820.0	2090.3	1556.6
75°	148.8	149.6	166.4	225.3	329.2	400.0	1667.0	2196.1	2145.6	1675.6	1070.8
77.5°	94.6	95.7	110.4	157.9	266.0	323.0	1010.7	1550.4	1427.5	944.1	380.8
80°	57.8	61.2	73.6	117.7	212.6	242.4	505.2	816.8	714.9	259.0	128.1
82.5°	29.8	32.4	44.3	72.8	146.5	212.8	285.9	343.2	221.4	108.4	68.2
85°	9.3	10.9	15.6	29.6	69.7	131.9	189.2	170.6	101.6	51.1	31.6
87.5°	2.3	2.3	2.6	2.6	2.9	6.0	36.5	38.6	27.0	16.1	13.0
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°	980.4	980.4	980.4	980.4	980.4	980.4	980.4	980.4	980.4	980.4	980.4
2.5°	973.6	967.4	964.8	964.6	958.1	948.7	942.5	938.1	935.5	935.0	935.0
5°	956.3	948.2	937.6	929.6	912.2	894.6	879.8	871.5	861.9	860.6	860.3
7.5°	933.2	921.5	901.3	878.8	848.4	819.1	794.2	777.4	760.5	757.4	756.4
10°	908.3	892.5	858.0	818.4	773.0	729.2	691.1	661.3	641.6	627.6	625.0
12.5°	883.7	862.7	812.1	753.0	690.8	630.9	573.7	524.9	489.7	469.2	465.6
15°	860.6	831.3	762.1	686.7	605.8	523.9	442.7	379.5	330.0	312.4	308.2
17.5°	839.6	803.1	713.6	618.0	517.1	410.1	317.8	261.6	232.5	223.7	221.6
20°	818.6	774.0	664.4	545.7	423.0	303.0	232.3	205.8	194.9	191.6	190.5
22.5°	796.1	742.1	610.7	474.4	327.9	226.8	190.0	178.3	175.0	175.2	175.0
25°	773.5	709.7	554.5	396.9	244.2	184.0	165.9	161.5	162.3	164.6	165.1
27.5°	754.8	681.0	499.3	311.8	190.8	158.4	149.8	149.6	152.4	155.5	156.0
30°	741.4	655.3	444.8	239.8	157.1	140.8	137.4	138.9	142.3	144.6	145.4
32.5°	731.8	633.3	386.8	188.5	137.6	128.3	126.8	128.3	130.4	132.7	133.2
35°	728.4	617.2	329.7	153.7	124.4	119.2	118.2	119.0	120.0	121.3	121.8
37.5°	735.9	609.2	270.1	133.8	116.4	113.3	111.7	111.2	111.5	112.0	112.2
40°	758.2	612.8	221.4	122.1	111.2	108.4	105.8	104.7	104.5	105.0	104.7
42.5°	796.6	628.1	186.1	115.4	107.1	102.9	100.1	99.0	99.0	100.3	100.3
45°	852.8	658.2	160.7	110.4	103.4	98.2	95.1	94.6	95.7	97.7	98.0
47.5°	935.3	702.2	145.4	106.8	100.1	94.1	91.0	90.7	92.8	96.2	96.4
50°	1033.0	765.7	137.1	104.2	97.7	90.7	87.6	87.9	90.2	93.8	94.6
52.5°	1150.7	852.3	137.6	103.2	96.4	88.7	85.5	85.0	87.4	91.0	91.8
55°	1272.2	957.6	147.8	103.4	94.6	87.6	83.5	81.7	83.7	86.3	86.6
57.5°	1406.0	1076.3	172.9	102.9	92.3	86.6	81.7	77.5	78.8	80.4	81.1
60°	1556.9	1216.0	227.1	103.9	91.2	84.2	78.0	72.6	72.3	73.4	73.6
62.5°	1758.5	1406.0	288.0	105.8	93.6	81.4	72.6	66.9	65.8	66.4	66.6
65°	1912.8	1496.7	268.8	104.2	98.5	79.3	67.4	61.4	59.4	58.8	58.8
67.5°	1850.0	1376.7	187.2	100.1	100.8	79.6	63.2	55.7	53.1	51.8	51.6
70°	1574.2	1118.3	130.1	95.9	98.2	79.1	58.8	51.1	47.7	45.9	45.6
72.5°	1243.7	853.9	105.2	87.6	89.2	71.3	52.4	45.9	43.0	40.7	40.7
75°	800.5	521.0	87.9	78.0	72.8	55.5	45.4	41.0	38.1	35.8	35.8
77.5°	269.3	193.4	68.2	66.1	54.4	41.7	38.1	35.3	32.9	30.8	30.6
80°	109.4	91.8	50.0	50.0	38.1	31.9	29.8	28.5	27.0	24.4	24.4
82.5°	63.5	55.7	35.0	30.3	25.4	22.0	20.7	19.4	19.4	17.6	17.6
85°	30.6	30.8	21.0	18.7	14.5	12.7	12.2	11.4	11.1	10.1	9.9
87.5°	16.6	16.8	10.6	8.3	5.7	4.9	4.1	3.9	3.6	3.4	3.4
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)