

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: P629114

Luminaire Tested: GWS-SA1B-722-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629114
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1988.3 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

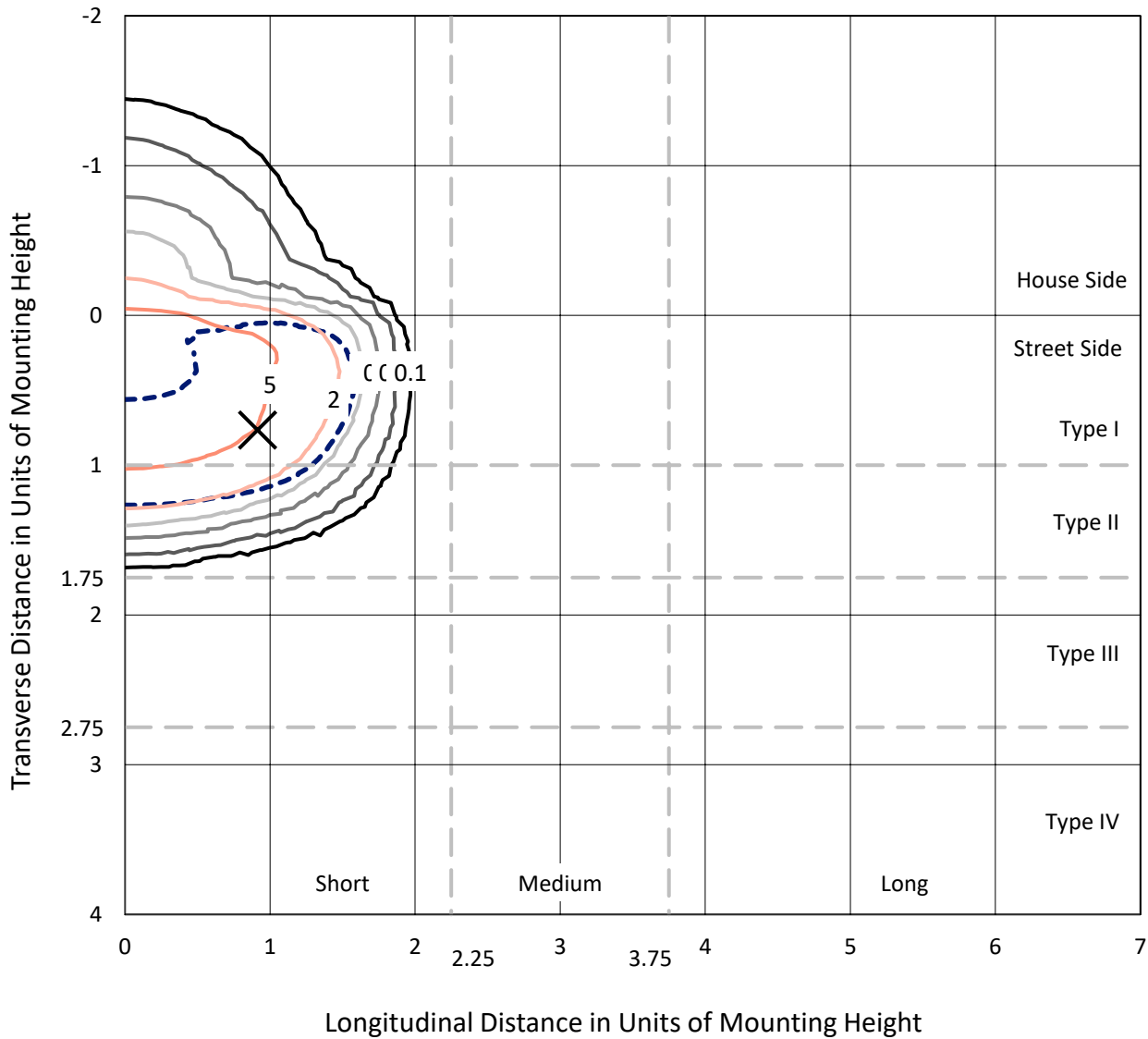
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

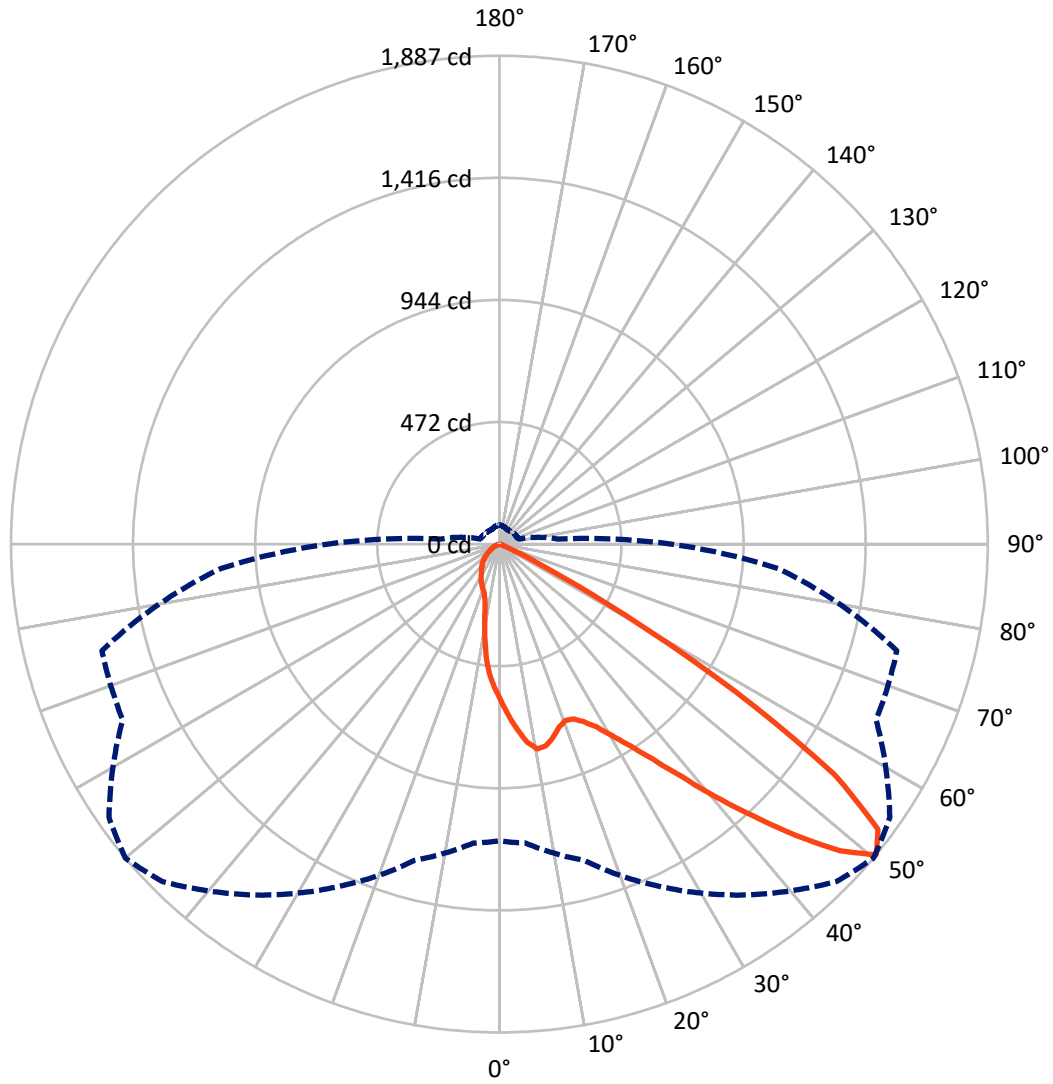
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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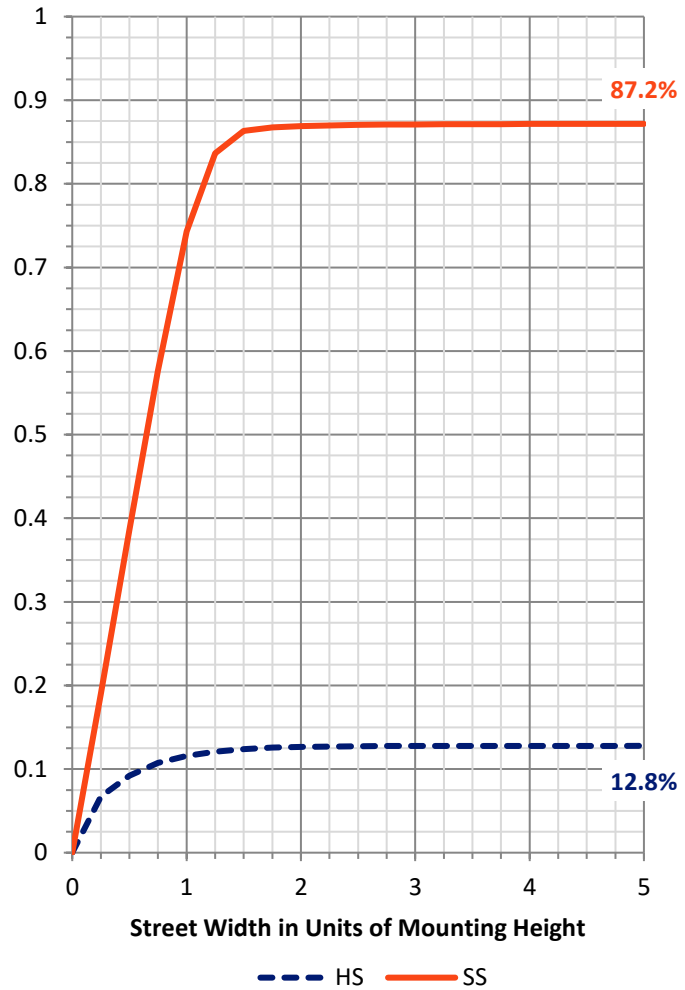
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	255.5	0.0	255.5
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	1732.8	0.0	1732.8
	% Fixture	87.2	0.0	87.2
Total	Lumens	1988.3	0.0	1988.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	2.8
10°-20°	144.2	7.3
20°-30°	237.9	12.0
30°-40°	392.6	19.7
40°-50°	621.3	31.2
50°-60°	470.4	23.7
60°-70°	58.9	3.0
70°-80°	6.7	0.3
80°-90°	0.5	0.0
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°	1988.3	100.0
0°-180°	1988.3	100.0

Coefficient of Utilization



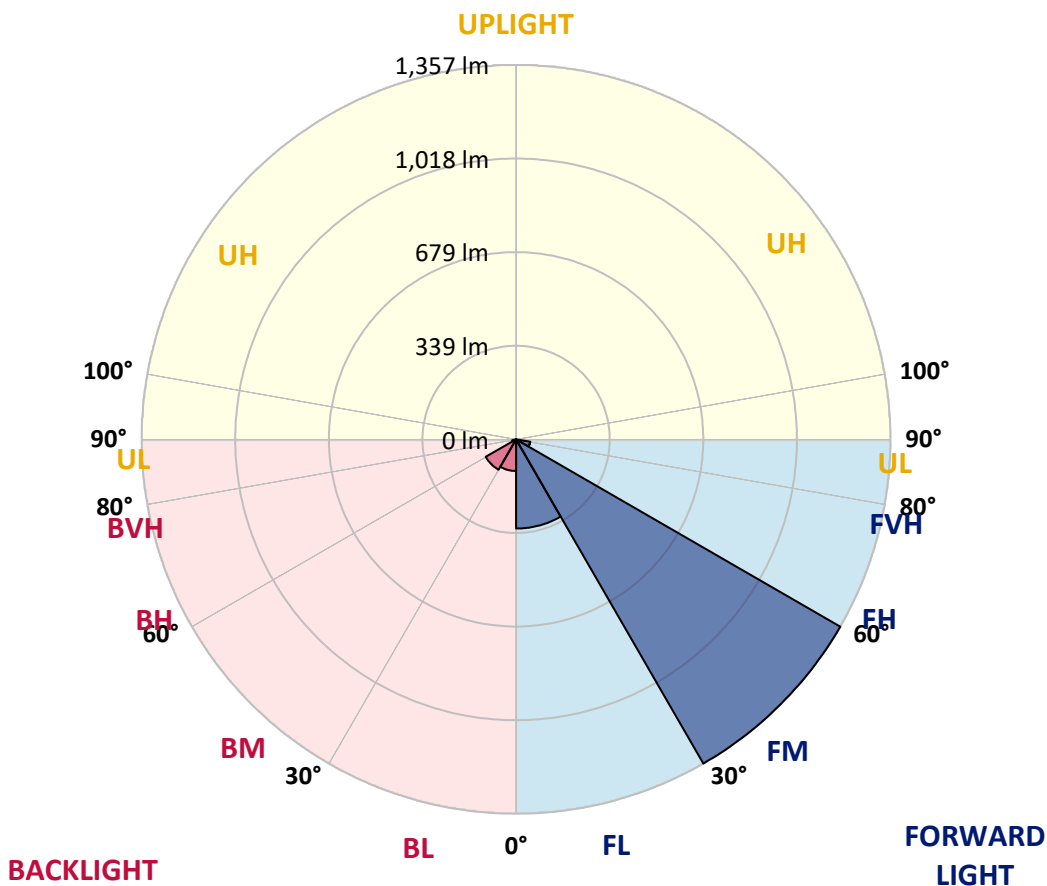
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.3	16.3			
FM (30°-60°)	1357.2	68.3			
FH (60°-80°)	52.0	2.6			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	114.7	5.8	B1/500		
BM (30°-60°)	127.0	6.4	B0/220		
BH (60°-80°)	13.5	0.7	B0/110		G0/110
BVH (80°-90°)	0.3	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4
2.5°	686.4	691.9	690.4	683.2	675.4	669.9	661.4	658.8	639.5	626.0	611.8
5°	769.3	771.0	769.1	760.4	746.8	733.7	719.7	711.6	679.2	650.1	620.4
7.5°	789.2	787.1	790.7	795.0	793.1	787.5	772.7	763.8	725.2	677.7	632.7
10°	727.1	722.4	735.8	758.3	782.0	808.7	804.9	805.6	770.0	712.5	648.7
12.5°	644.8	642.9	652.9	679.0	725.4	785.9	800.5	824.9	811.1	750.2	667.1
15°	608.6	609.6	615.6	632.1	665.4	740.7	775.7	819.8	847.8	786.7	687.3
17.5°	614.1	617.5	617.3	622.8	643.1	703.4	744.3	803.7	876.2	828.7	710.6
20°	651.4	654.8	649.7	645.5	652.3	694.0	727.8	787.5	895.3	871.1	735.2
22.5°	707.2	711.2	699.1	687.2	682.8	709.5	734.1	780.8	909.9	909.9	757.2
25°	774.8	780.3	761.5	740.3	728.2	742.2	760.8	795.8	924.9	944.7	772.1
27.5°	850.3	850.5	834.4	810.5	787.8	789.5	800.7	829.5	941.3	982.2	783.9
30°	935.3	935.8	914.4	885.9	857.3	849.5	859.0	880.8	975.6	1029.3	800.1
32.5°	1045.0	1047.7	1017.0	975.0	937.9	923.3	928.8	951.7	1030.1	1088.4	824.6
35°	1193.4	1196.2	1151.0	1095.6	1036.5	1014.6	1020.0	1043.1	1109.0	1172.2	863.5
37.5°	1339.9	1343.7	1297.9	1246.2	1165.2	1128.9	1134.5	1156.5	1227.5	1288.0	926.0
40°	1441.1	1446.2	1432.0	1397.2	1322.1	1274.4	1281.2	1289.2	1357.9	1426.6	1007.0
42.5°	1494.5	1501.7	1507.7	1525.5	1486.0	1446.0	1434.5	1435.1	1490.5	1567.7	1091.2
45°	1497.7	1504.7	1535.7	1604.4	1634.5	1626.2	1605.2	1591.0	1591.8	1661.8	1143.8
47.5°	1393.6	1406.7	1464.8	1599.3	1712.5	1781.6	1771.0	1737.3	1634.3	1668.0	1138.1
50°	1147.0	1159.9	1265.5	1459.1	1655.7	1843.7	1887.4	1842.1	1606.5	1590.2	1079.7
52.5°	833.1	834.4	902.9	1129.1	1425.6	1729.2	1832.1	1827.8	1564.1	1496.0	999.8
55°	395.7	391.0	468.0	637.2	986.0	1398.5	1572.1	1621.3	1504.0	1427.9	937.9
57.5°	115.3	117.5	151.8	248.7	493.2	893.8	1076.6	1168.2	1234.5	1173.9	727.5
60°	51.7	51.9	57.7	75.7	164.3	415.8	556.6	669.9	738.1	683.9	360.9
62.5°	37.5	37.7	39.9	42.8	55.8	140.8	208.7	278.2	283.3	185.5	91.4
65°	31.2	31.2	31.6	31.6	33.5	50.3	63.4	81.8	68.9	51.1	35.8
67.5°	25.2	25.4	25.7	25.7	25.2	25.2	27.3	29.9	32.0	39.6	32.9
70°	19.7	19.5	19.5	19.7	19.1	16.3	17.6	20.1	22.0	30.8	28.6
72.5°	15.3	15.5	15.3	14.6	13.2	9.7	10.4	13.1	14.0	19.3	19.3
75°	11.5	11.7	11.0	8.3	5.5	3.0	4.0	6.4	8.1	9.5	7.0
77.5°	1.5	1.5	1.1	1.1	0.9	1.1	1.1	1.5	2.3	2.3	1.7
80°	0.2	0.2	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.9	0.9
82.5°	0.2	0.2	0.2	0.2	0.6	0.6	0.8	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.2	0.4	0.6	0.6	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.2	0.4	0.6	0.6	0.6	0.8	0.8	0.8
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°	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4	602.4
2.5°	603.3	592.3	579.1	570.0	557.1	548.6	536.5	528.4	521.4	515.9	518.9
5°	603.5	586.1	559.0	535.9	510.8	487.7	462.9	443.4	425.8	417.9	422.2
7.5°	607.3	582.3	540.9	499.8	451.5	403.9	359.2	322.9	304.9	296.4	299.0
10°	614.7	580.6	520.6	452.5	374.1	309.0	265.7	241.1	231.1	225.8	226.7
12.5°	621.5	579.5	494.3	390.2	295.2	239.8	217.3	213.9	215.9	216.1	215.9
15°	630.8	577.4	461.8	326.3	236.2	207.2	207.8	212.7	217.6	219.1	218.8
17.5°	640.6	574.2	419.8	264.9	200.4	197.8	204.4	211.0	215.9	216.7	216.9
20°	650.8	567.6	371.9	216.3	183.8	190.6	198.0	202.9	206.5	207.6	208.0
22.5°	655.6	553.5	316.6	181.5	172.6	181.7	187.2	193.6	194.7	190.6	191.3
25°	653.1	529.9	262.7	158.0	161.4	170.5	178.6	175.4	170.7	167.7	168.6
27.5°	645.3	498.5	209.9	140.8	149.5	161.0	162.0	158.4	157.6	155.2	155.9
30°	637.0	462.3	168.8	127.0	137.4	149.5	146.7	148.0	148.2	145.3	146.3
32.5°	631.9	424.5	134.4	117.7	129.6	131.9	137.6	140.2	140.4	133.8	134.9
35°	633.6	387.2	113.7	110.1	122.4	121.9	129.8	131.3	120.4	111.3	112.2
37.5°	647.4	352.8	102.0	104.3	110.0	114.3	120.4	110.3	107.9	103.7	104.3
40°	673.2	323.4	95.0	100.7	101.4	108.4	99.2	100.5	100.7	98.0	98.6
42.5°	703.2	299.0	90.8	98.6	96.7	97.8	88.6	91.2	94.1	92.9	93.1
45°	718.4	275.2	87.2	91.4	92.0	81.2	79.1	81.9	85.5	86.1	86.3
47.5°	704.9	252.5	83.5	81.0	84.8	74.0	71.5	72.5	76.6	78.9	79.3
50°	663.9	226.3	77.8	71.7	69.6	66.4	64.2	64.3	69.1	73.0	73.8
52.5°	606.2	199.1	68.5	60.7	56.0	58.5	59.0	57.9	62.3	66.2	67.0
55°	550.1	165.0	54.3	49.4	45.0	50.3	51.9	50.3	51.7	54.3	54.5
57.5°	387.4	93.3	41.6	40.9	37.3	43.1	45.6	43.3	41.1	42.8	43.1
60°	179.6	48.8	32.0	32.0	31.0	37.1	41.3	38.0	33.7	34.4	35.0
62.5°	56.2	30.8	23.5	22.1	25.4	31.6	35.0	31.8	26.7	26.7	27.4
65°	31.8	26.5	18.5	17.0	20.6	25.4	27.4	24.0	19.5	19.1	19.1
67.5°	29.5	25.2	16.5	13.8	14.6	16.3	17.0	14.8	13.4	13.2	13.4
70°	24.4	21.0	13.2	9.5	8.9	8.7	9.1	8.5	8.1	8.3	8.9
72.5°	15.1	12.7	8.3	5.7	4.9	4.7	4.7	4.7	4.5	4.5	4.5
75°	5.5	4.7	3.8	2.8	2.5	2.3	2.3	2.5	2.3	2.1	1.9
77.5°	1.7	1.5	1.5	1.5	1.3	1.1	0.9	0.9	0.8	0.6	0.6
80°	0.9	0.9	0.9	0.9	0.8	0.8	0.6	0.4	0.2	0.2	0.0
82.5°	0.9	0.9	0.9	0.8	0.8	0.8	0.6	0.4	0.2	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.4	0.2	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.4	0.2	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)