

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: P629785

Luminaire Tested: GWS-SA1C-735-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2772.8 lumens
Efficiency: N/A
Efficacy: 81.3 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

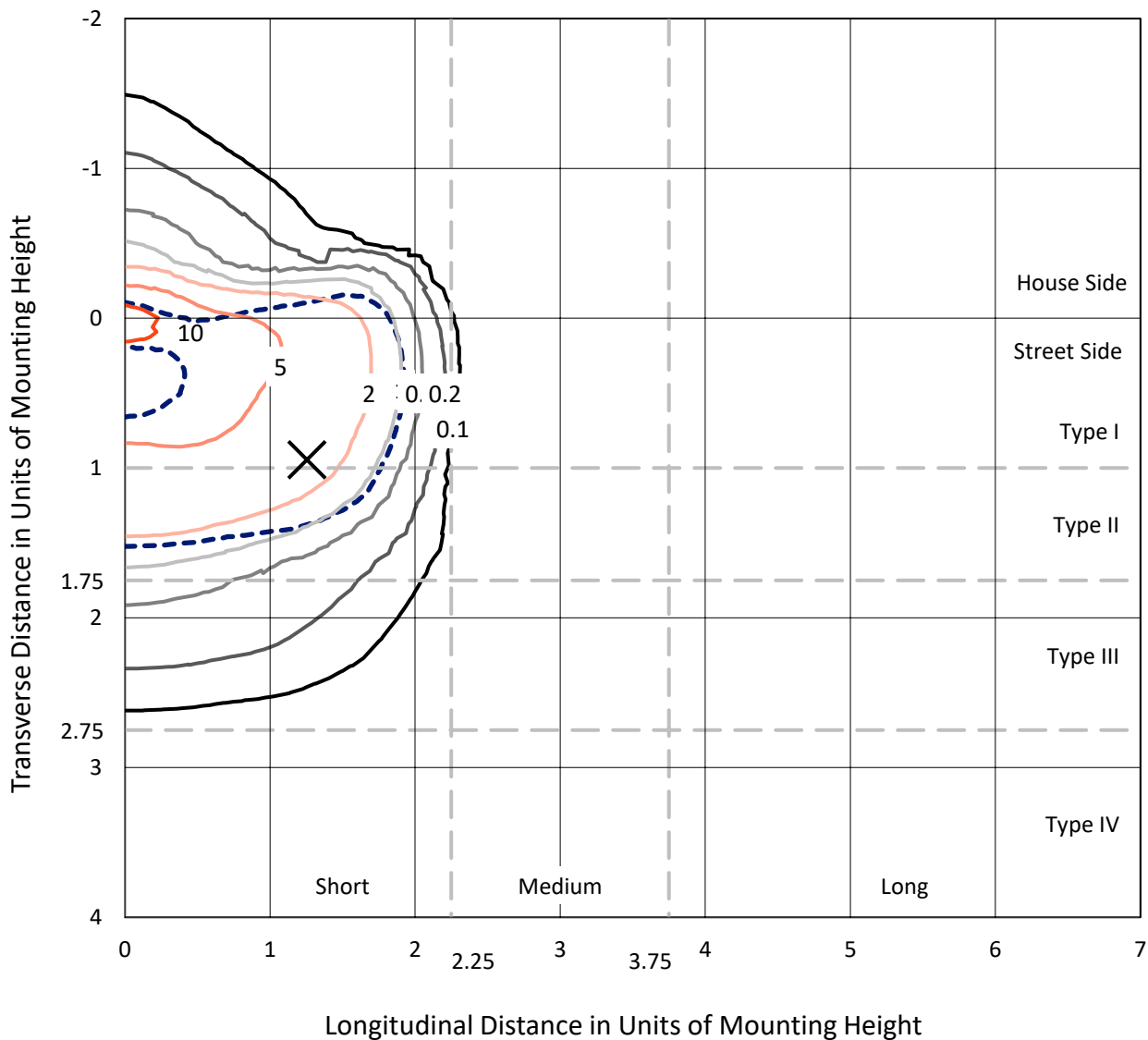
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

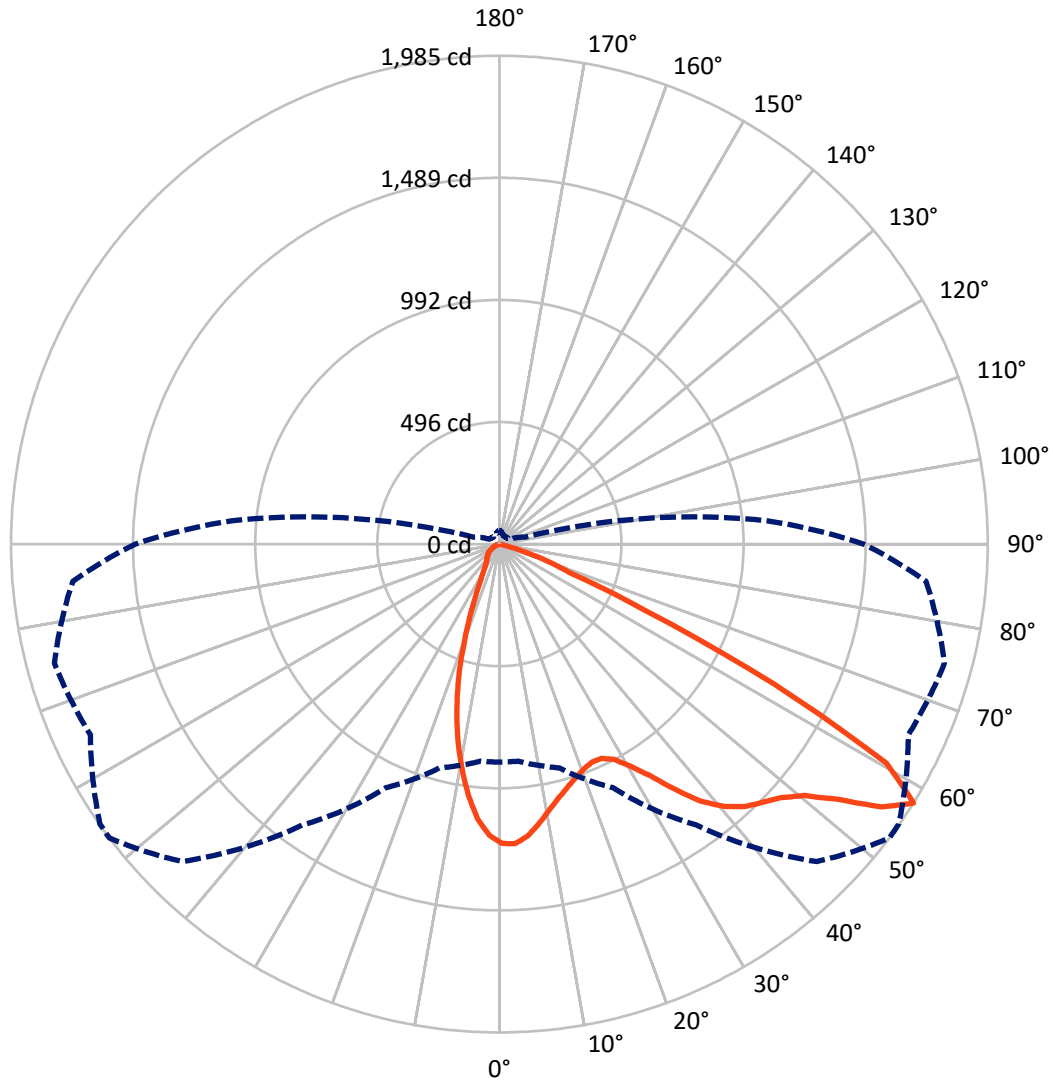
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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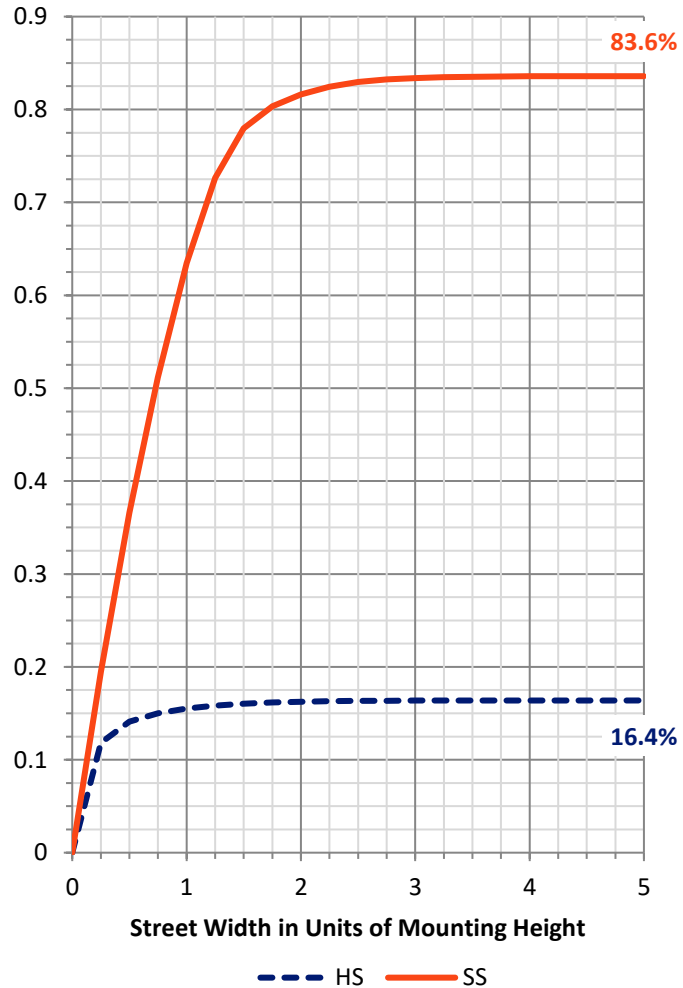
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	458.0	0.0	458.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	2314.8	0.0	2314.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	2772.8	0.0	2772.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.1	3.8
10°-20°	228.5	8.2
20°-30°	297.6	10.7
30°-40°	431.7	15.6
40°-50°	622.9	22.5
50°-60°	753.4	27.2
60°-70°	307.0	11.1
70°-80°	27.6	1.0
80°-90°	0.0	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°	2772.8	100.0
0°-180°	2772.8	100.0

Coefficient of Utilization

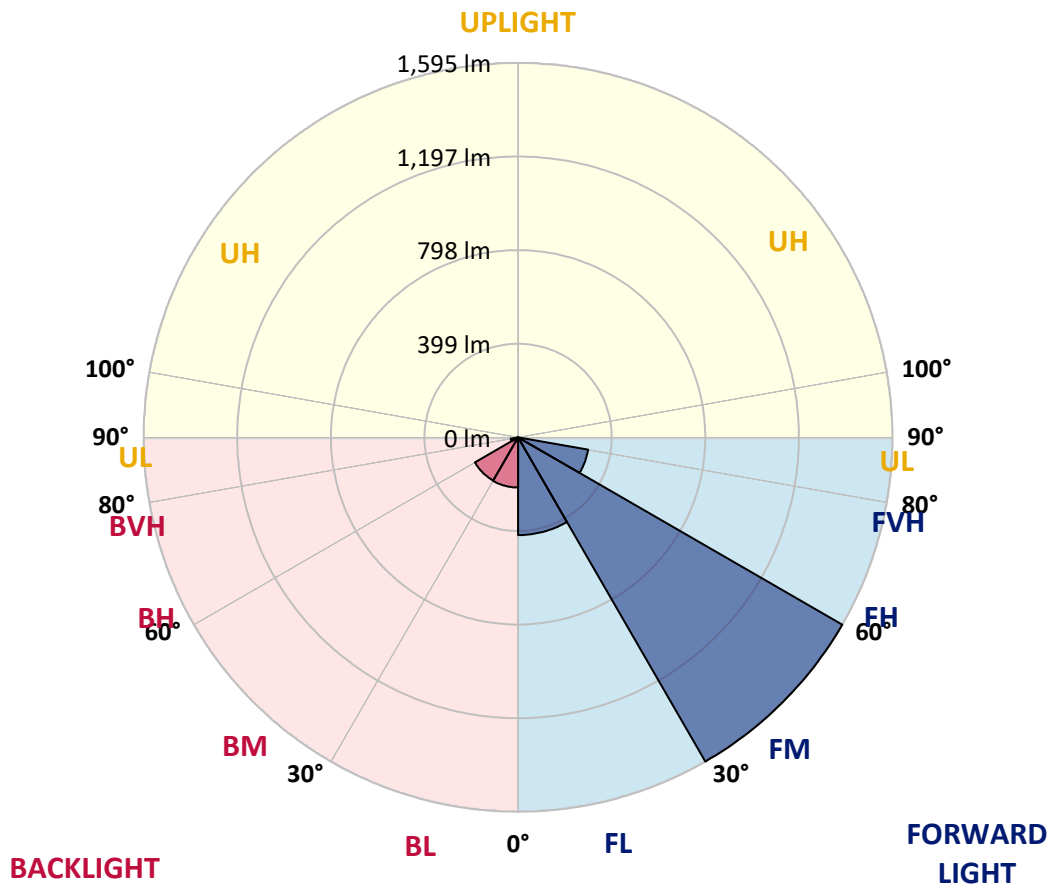


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	416.4	15.0			
FM (30°-60°)	1595.4	57.5			
FH (60°-80°)	303.0	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	213.8	7.7	B1/500		
BM (30°-60°)	212.6	7.7	B0/220		
BH (60°-80°)	31.7	1.1	B0/110		G0/110
BVH (80°-90°)	0.0	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°	53°	55°	65°	75°	85°
0°	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3
2.5°	1199.3	1202.0	1206.8	1212.9	1217.0	1219.0	1219.0	1224.8	1221.1	1218.0	1214.6
5°	1148.0	1150.7	1157.2	1167.0	1176.9	1184.0	1192.2	1198.3	1200.7	1200.7	1194.9
7.5°	1075.6	1079.4	1083.4	1097.0	1118.4	1134.4	1148.3	1157.2	1170.1	1174.2	1166.0
10°	997.8	1001.5	1010.7	1029.4	1053.9	1077.7	1101.4	1112.7	1134.7	1146.3	1137.1
12.5°	931.9	933.6	945.8	968.2	999.5	1032.1	1061.0	1072.6	1103.8	1121.2	1110.3
15°	877.5	878.5	890.7	915.5	951.6	991.7	1028.0	1039.9	1078.3	1104.5	1088.2
17.5°	836.4	836.7	847.2	874.1	911.8	956.3	999.5	1014.1	1063.7	1095.3	1070.9
20°	815.6	814.6	822.1	845.5	881.2	925.7	976.7	994.7	1055.6	1094.0	1057.6
22.5°	816.0	813.6	816.6	833.3	863.5	905.3	962.4	982.8	1056.2	1099.7	1046.4
25°	835.3	831.9	832.6	841.5	862.9	900.9	964.5	986.2	1069.8	1119.1	1042.3
27.5°	868.0	864.2	864.2	868.6	880.2	914.9	990.0	1014.8	1106.2	1156.8	1050.8
30°	910.1	906.4	905.0	909.4	918.9	950.9	1046.7	1072.6	1168.4	1218.7	1078.0
32.5°	958.4	953.9	956.3	962.4	971.6	1015.8	1119.8	1154.1	1246.2	1301.9	1126.9
35°	1009.3	1005.6	1016.5	1029.7	1044.0	1105.9	1220.7	1250.6	1341.7	1405.6	1201.7
37.5°	1057.9	1056.2	1079.0	1106.9	1136.4	1213.9	1323.4	1346.5	1423.6	1518.4	1293.1
40°	1106.5	1106.2	1145.3	1194.2	1241.5	1321.7	1401.2	1420.2	1473.6	1606.1	1380.8
42.5°	1160.9	1160.9	1214.9	1280.2	1343.1	1412.7	1458.3	1466.8	1496.0	1656.7	1446.7
45°	1212.9	1216.0	1278.5	1354.3	1428.7	1483.8	1497.7	1498.4	1505.2	1686.7	1501.4
47.5°	1254.0	1256.7	1331.5	1418.9	1499.1	1537.8	1539.8	1536.8	1529.3	1715.2	1543.6
50°	1287.3	1291.4	1369.6	1462.0	1547.3	1589.8	1605.4	1602.4	1583.3	1745.8	1573.1
52.5°	1303.6	1309.4	1382.8	1483.4	1601.0	1678.8	1722.3	1729.5	1664.2	1762.8	1601.4
55°	1173.1	1181.6	1249.3	1386.9	1630.9	1816.5	1884.8	1883.4	1751.9	1813.4	1670.0
57.5°	886.0	885.3	941.4	1091.9	1393.0	1824.3	1984.7	1982.0	1833.8	1872.2	1740.4
60°	603.2	599.1	614.1	686.8	974.0	1486.1	1806.3	1843.0	1775.7	1729.5	1477.6
62.5°	496.5	492.8	488.0	468.0	559.4	925.7	1247.9	1303.6	1294.8	1202.0	926.8
65°	406.5	409.5	422.8	414.3	389.1	474.8	647.7	680.7	622.3	523.7	323.9
67.5°	299.7	301.1	318.4	363.3	349.7	316.1	304.8	310.3	181.8	83.6	54.0
70°	177.1	178.1	194.1	254.2	283.8	242.6	205.9	202.9	72.0	22.4	24.5
72.5°	100.3	98.2	101.3	121.0	154.6	128.8	106.0	96.5	21.8	12.6	12.6
75°	47.6	46.2	39.8	37.4	34.0	21.8	13.6	11.6	5.4	5.1	5.1
77.5°	0.3	1.0	0.7	1.0	1.0	0.7	0.3	0.3	1.0	1.0	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3
2.5°	1208.5	1198.3	1195.9	1195.2	1185.7	1175.5	1165.0	1160.9	1154.8	1151.1	1154.1
5°	1185.7	1171.1	1158.2	1146.3	1125.2	1102.1	1082.1	1069.2	1056.9	1048.8	1050.8
7.5°	1153.4	1134.4	1104.8	1074.6	1035.9	1001.2	962.4	938.7	916.6	904.3	910.1
10°	1119.1	1094.0	1046.7	995.4	934.6	880.2	824.8	779.6	753.4	728.6	731.3
12.5°	1085.5	1052.2	981.5	903.7	826.8	746.6	663.0	600.5	557.7	526.8	522.0
15°	1054.2	1011.4	917.9	815.3	710.6	603.9	497.2	407.8	358.2	327.6	325.6
17.5°	1026.3	973.3	852.0	722.9	591.7	455.1	332.4	265.4	236.9	223.6	222.3
20°	999.5	934.9	784.7	629.1	461.9	319.5	229.4	198.5	189.3	183.9	184.5
22.5°	973.7	893.1	714.0	525.1	346.3	224.3	177.7	165.8	164.8	165.5	165.8
25°	951.9	854.7	641.3	424.8	247.1	170.9	148.5	145.1	148.2	152.6	153.3
27.5°	940.7	823.4	570.3	323.9	178.8	139.0	128.8	130.2	135.6	140.4	141.0
30°	943.8	800.0	496.9	234.8	137.6	117.2	113.8	116.6	122.0	126.4	127.1
32.5°	965.5	788.1	421.7	170.9	113.2	102.3	100.9	103.0	107.7	111.1	111.5
35°	1008.7	790.8	350.4	130.8	97.2	91.1	90.7	92.1	94.5	96.9	97.2
37.5°	1072.2	812.9	280.0	108.8	88.0	83.6	82.2	82.2	83.9	85.0	85.6
40°	1140.5	846.2	224.3	96.2	81.6	76.8	74.1	73.1	74.4	75.8	76.1
42.5°	1196.9	879.5	182.2	87.3	76.5	70.0	66.6	65.9	67.6	70.0	70.7
45°	1240.1	905.3	151.9	80.2	70.7	63.6	59.8	59.8	62.9	66.9	67.6
47.5°	1279.5	926.1	129.5	73.7	65.3	57.8	54.0	54.7	59.8	65.3	66.3
50°	1306.4	942.7	112.8	68.0	60.8	53.0	49.6	51.0	57.1	63.6	64.6
52.5°	1335.3	963.1	102.0	62.9	56.8	49.3	46.2	47.2	54.0	61.2	62.5
55°	1415.1	1031.4	101.6	56.1	49.6	44.2	42.8	43.2	50.0	58.1	59.8
57.5°	1480.4	1091.6	108.4	47.2	41.5	38.7	38.1	38.4	44.5	53.7	55.7
60°	1224.8	848.3	89.7	39.1	34.7	34.0	33.0	33.6	39.4	47.6	49.3
62.5°	724.9	485.0	42.8	29.9	29.6	28.9	27.9	29.2	34.7	41.8	42.8
65°	247.7	143.8	27.2	24.5	25.1	24.1	23.1	24.5	29.2	33.3	33.6
67.5°	47.6	38.1	21.8	20.4	20.7	18.7	18.4	19.7	22.4	23.1	22.8
70°	24.8	22.1	16.7	16.7	16.0	13.3	13.3	14.6	14.6	13.6	13.3
72.5°	12.9	12.2	10.9	12.2	10.2	8.2	8.2	8.8	8.2	6.8	6.8
75°	5.1	5.1	4.8	6.1	4.4	3.7	3.4	4.1	3.1	2.4	2.4
77.5°	1.4	1.4	1.4	1.7	1.0	1.0	0.7	0.7	0.3	0.0	0.0
80°	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)