

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: P629948

Luminaire Tested: GWS-SA1C-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629948
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2836.3 lumens
Efficiency: N/A
Efficacy: 83.2 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

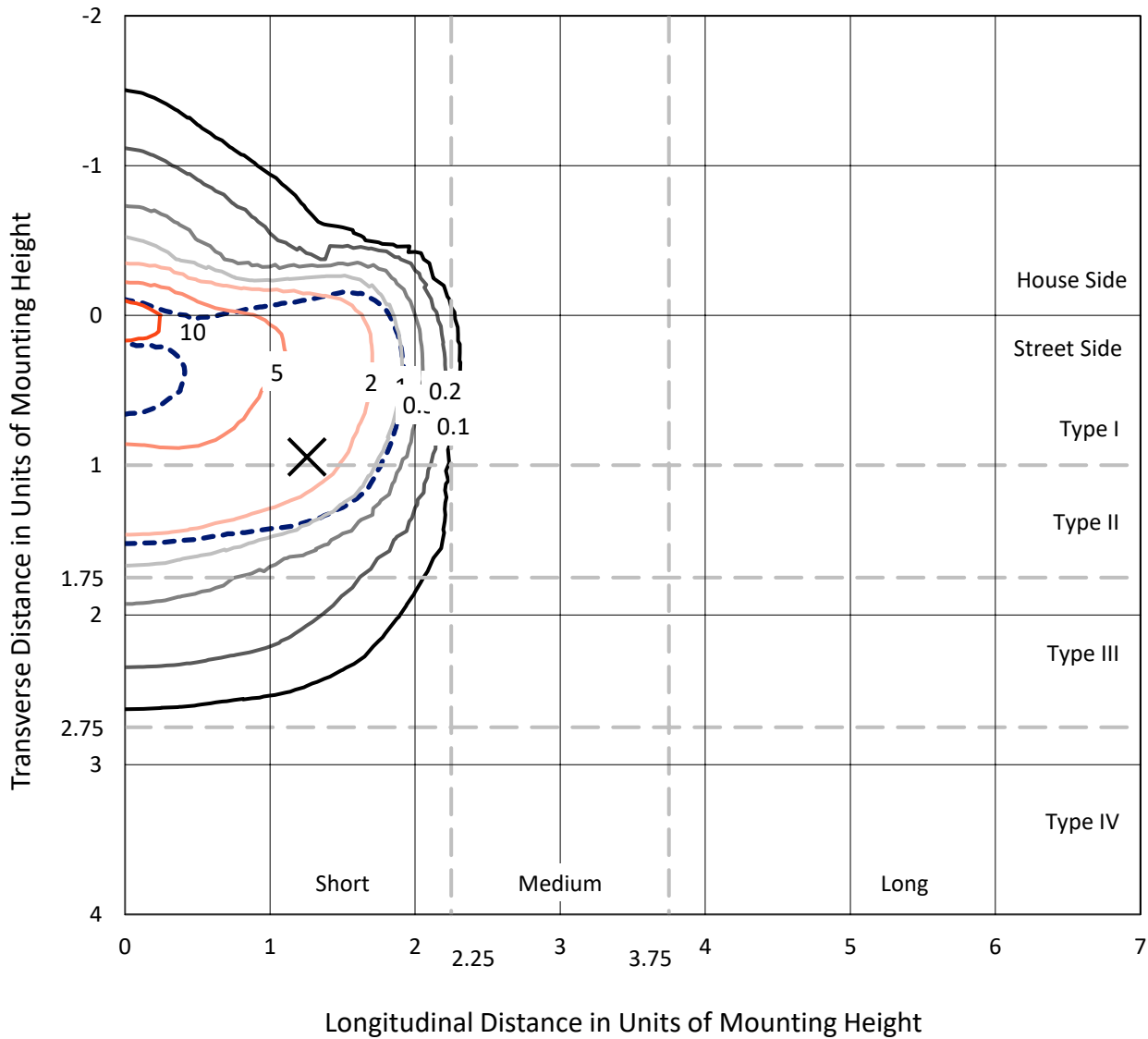
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

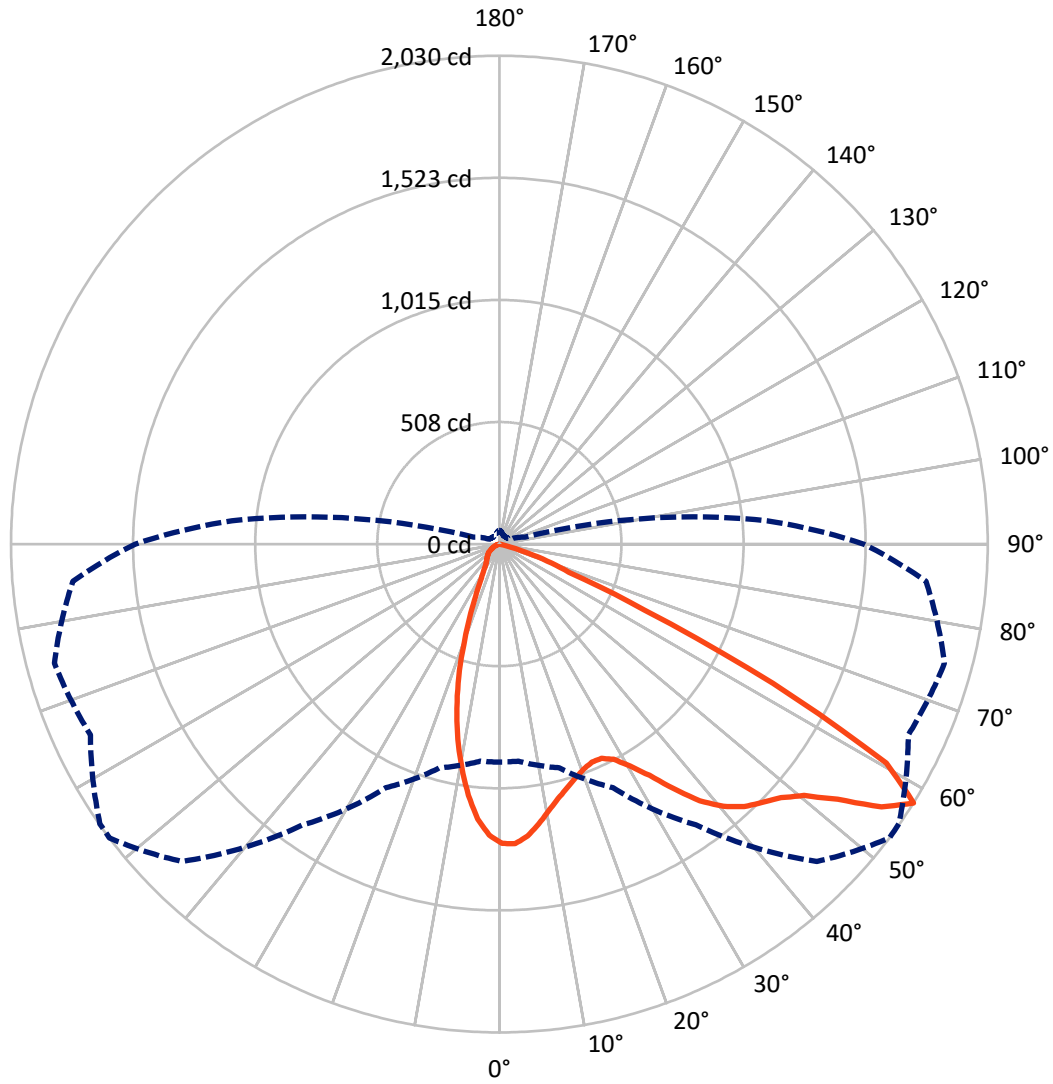
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.4 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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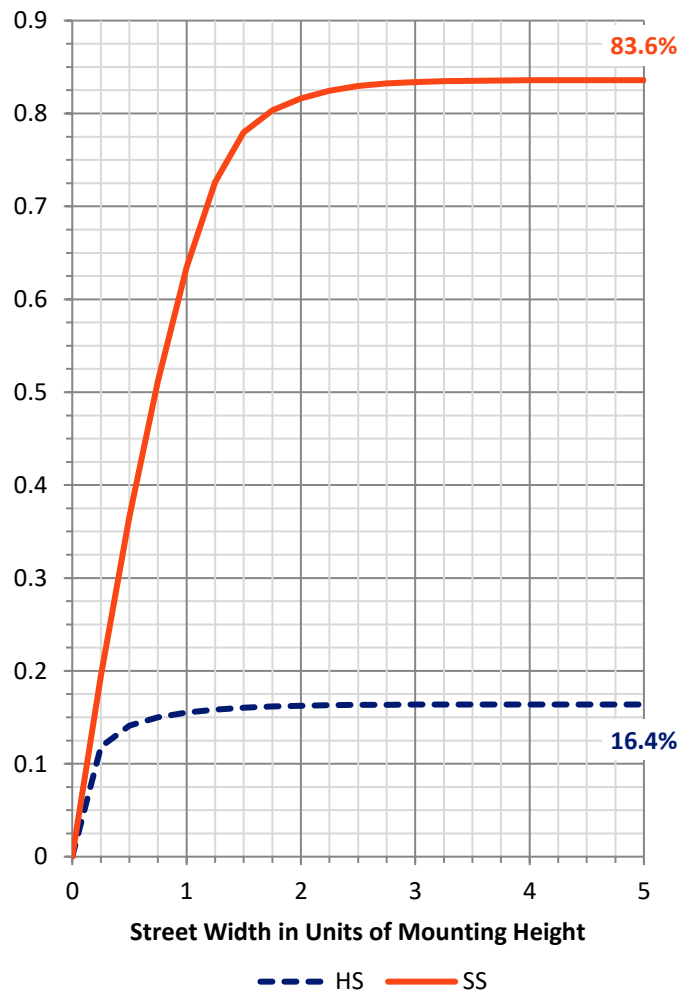
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	468.5	0.0	468.5
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	2367.8	0.0	2367.8
	% Fixture	83.5	0.0	83.5
Total	Lumens	2836.3	0.0	2836.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.4	3.8
10°-20°	233.7	8.2
20°-30°	304.4	10.7
30°-40°	441.6	15.6
40°-50°	637.2	22.5
50°-60°	770.6	27.2
60°-70°	314.1	11.1
70°-80°	28.2	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°	2836.3	100.0
0°-180°	2836.3	100.0

Coefficient of Utilization



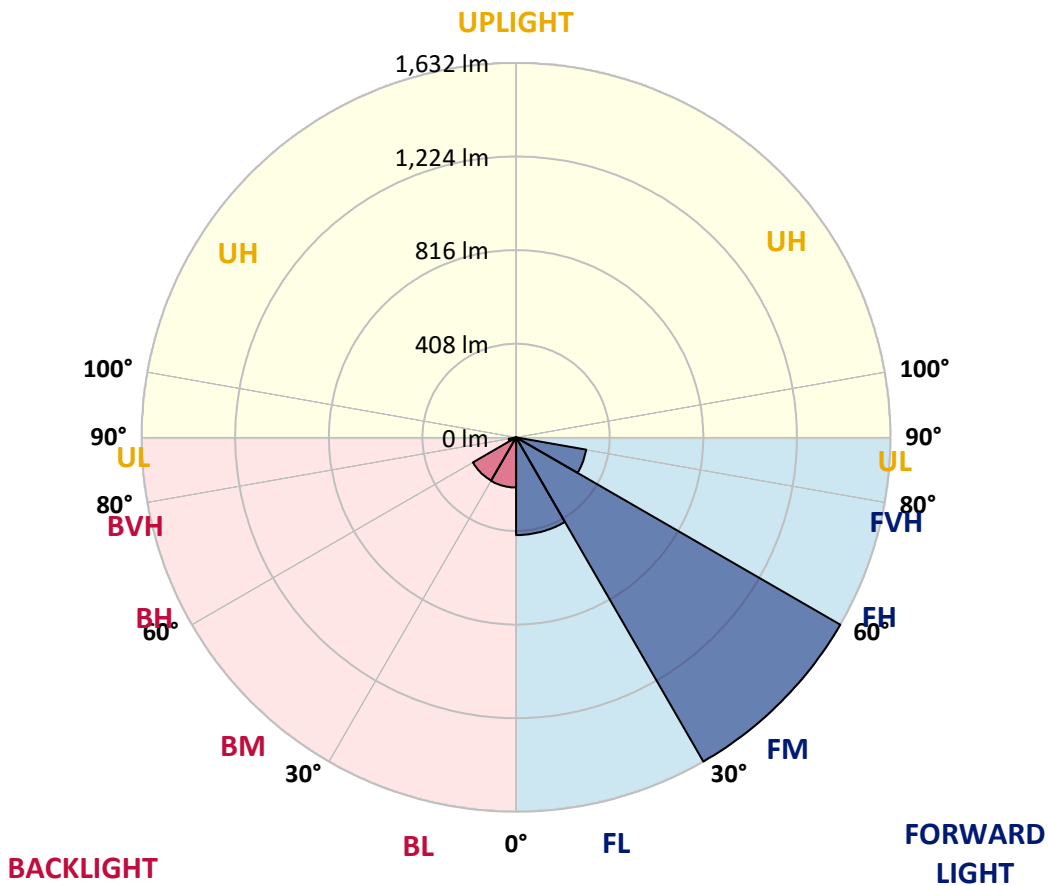
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	425.9	15.0			
FM (30°-60°)	1631.9	57.5			
FH (60°-80°)	309.9	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	218.7	7.7	B1/500		
BM (30°-60°)	217.5	7.7	B0/220		
BH (60°-80°)	32.4	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°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1226.8	1229.6	1234.4	1240.7	1244.9	1246.9	1246.9	1252.9	1249.0	1245.9	1242.4
5°	1174.3	1177.1	1183.7	1193.8	1203.8	1211.1	1219.5	1225.7	1228.2	1228.2	1222.3
7.5°	1100.2	1104.1	1108.2	1122.1	1144.0	1160.4	1174.6	1183.7	1196.9	1201.1	1192.7
10°	1020.6	1024.5	1033.8	1053.0	1078.0	1102.3	1126.7	1138.1	1160.7	1172.6	1163.2
12.5°	953.2	954.9	967.5	990.4	1022.4	1055.7	1085.3	1097.1	1129.1	1146.8	1135.7
15°	897.6	898.6	911.1	936.5	973.4	1014.4	1051.6	1063.7	1103.0	1129.8	1113.1
17.5°	855.5	855.9	866.6	894.1	932.7	978.2	1022.4	1037.3	1088.1	1120.4	1095.4
20°	834.3	833.3	840.9	864.9	901.4	946.9	999.1	1017.5	1079.7	1119.0	1081.8
22.5°	834.7	832.2	835.4	852.4	883.3	926.1	984.5	1005.3	1080.4	1124.9	1070.3
25°	854.5	851.0	851.7	860.7	882.6	921.6	986.6	1008.8	1094.3	1144.7	1066.2
27.5°	887.8	884.0	884.0	888.5	900.4	935.8	1012.6	1038.0	1131.5	1183.3	1074.9
30°	930.9	927.1	925.7	930.3	940.0	972.7	1070.7	1097.1	1195.1	1246.6	1102.7
32.5°	980.3	975.8	978.2	984.5	993.9	1039.1	1145.4	1180.5	1274.8	1331.8	1152.7
35°	1032.5	1028.6	1039.8	1053.3	1067.9	1131.2	1248.7	1279.3	1372.4	1437.8	1229.2
37.5°	1082.2	1080.4	1103.7	1132.2	1162.5	1241.7	1353.7	1377.3	1456.2	1553.2	1322.7
40°	1131.9	1131.5	1171.5	1221.6	1269.9	1351.9	1433.3	1452.7	1507.3	1642.9	1412.4
42.5°	1187.5	1187.5	1242.8	1309.5	1373.8	1445.1	1491.7	1500.4	1530.3	1694.7	1479.9
45°	1240.7	1243.8	1307.8	1385.3	1461.4	1517.7	1532.0	1532.7	1539.6	1725.3	1535.8
47.5°	1282.7	1285.5	1362.0	1451.3	1533.4	1573.0	1575.1	1572.0	1564.3	1754.5	1578.9
50°	1316.8	1321.0	1400.9	1495.5	1582.8	1626.2	1642.2	1639.1	1619.6	1785.8	1609.2
52.5°	1333.5	1339.4	1414.5	1517.4	1637.7	1717.3	1761.8	1769.1	1702.3	1803.1	1638.0
55°	1200.0	1208.7	1277.9	1418.7	1668.3	1858.1	1927.9	1926.6	1792.0	1854.9	1708.2
57.5°	906.3	905.6	962.9	1116.9	1424.9	1866.1	2030.2	2027.4	1875.8	1915.1	1780.2
60°	617.0	612.9	628.2	702.6	996.3	1520.2	1847.6	1885.2	1816.4	1769.1	1511.5
62.5°	507.9	504.1	499.2	478.7	572.2	946.9	1276.5	1333.5	1324.5	1229.6	948.0
65°	415.8	418.9	432.5	423.8	398.0	485.6	662.6	696.3	636.5	535.7	331.3
67.5°	306.6	308.0	325.7	371.6	357.7	323.3	311.8	317.4	186.0	85.5	55.3
70°	181.1	182.2	198.5	260.0	290.3	248.2	210.7	207.5	73.7	22.9	25.0
72.5°	102.6	100.5	103.6	123.8	158.2	131.8	108.5	98.7	22.2	12.9	12.9
75°	48.7	47.3	40.7	38.2	34.8	22.2	13.9	11.8	5.6	5.2	5.2
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°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1236.2	1225.7	1223.3	1222.6	1212.9	1202.4	1191.7	1187.5	1181.2	1177.4	1180.5
5°	1212.9	1197.9	1184.7	1172.6	1151.0	1127.4	1106.8	1093.6	1081.1	1072.8	1074.9
7.5°	1179.9	1160.4	1130.1	1099.2	1059.6	1024.1	984.5	960.2	937.6	925.0	930.9
10°	1144.7	1119.0	1070.7	1018.2	956.0	900.4	843.7	797.5	770.7	745.3	748.1
12.5°	1110.3	1076.3	1004.0	924.3	845.8	763.7	678.2	614.3	570.5	538.8	534.0
15°	1078.3	1034.5	938.9	834.0	726.9	617.7	508.6	417.2	366.4	335.1	333.0
17.5°	1049.8	995.6	871.5	739.4	605.2	465.5	340.0	271.5	242.3	228.7	227.3
20°	1022.4	956.3	802.7	643.5	472.4	326.8	234.6	203.0	193.6	188.1	188.8
22.5°	996.0	913.6	730.4	537.1	354.2	229.4	181.8	169.6	168.6	169.3	169.6
25°	973.7	874.3	656.0	434.5	252.7	174.9	151.9	148.4	151.6	156.1	156.8
27.5°	962.2	842.3	583.3	331.3	182.9	142.2	131.8	133.1	138.7	143.6	144.3
30°	965.4	818.3	508.2	240.2	140.8	119.9	116.5	119.2	124.8	129.3	130.0
32.5°	987.6	806.2	431.4	174.9	115.8	104.6	103.2	105.3	110.2	113.7	114.0
35°	1031.8	808.9	358.4	133.8	99.4	93.2	92.8	94.2	96.6	99.1	99.4
37.5°	1096.8	831.5	286.4	111.2	90.0	85.5	84.1	84.1	85.9	86.9	87.6
40°	1166.6	865.6	229.4	98.4	83.4	78.6	75.8	74.7	76.1	77.5	77.9
42.5°	1224.3	899.7	186.3	89.3	78.2	71.6	68.1	67.4	69.2	71.6	72.3
45°	1268.5	926.1	155.4	82.0	72.3	65.0	61.2	61.2	64.3	68.5	69.2
47.5°	1308.8	947.3	132.4	75.4	66.7	59.1	55.3	56.0	61.2	66.7	67.8
50°	1336.3	964.3	115.4	69.5	62.2	54.2	50.8	52.1	58.4	65.0	66.0
52.5°	1365.8	985.2	104.3	64.3	58.1	50.4	47.3	48.3	55.3	62.6	64.0
55°	1447.5	1055.1	103.9	57.4	50.8	45.2	43.8	44.1	51.1	59.4	61.2
57.5°	1514.3	1116.6	110.9	48.3	42.4	39.6	38.9	39.3	45.5	54.9	57.0
60°	1252.9	867.7	91.8	40.0	35.5	34.8	33.7	34.4	40.3	48.7	50.4
62.5°	741.5	496.1	43.8	30.6	30.2	29.5	28.5	29.9	35.5	42.8	43.8
65°	253.4	147.0	27.8	25.0	25.7	24.7	23.6	25.0	29.9	34.1	34.4
67.5°	48.7	38.9	22.2	20.9	21.2	19.1	18.8	20.2	22.9	23.6	23.3
70°	25.4	22.6	17.0	17.0	16.3	13.6	13.6	14.9	14.9	13.9	13.6
72.5°	13.2	12.5	11.1	12.5	10.4	8.3	8.3	9.0	8.3	7.0	7.0
75°	5.2	5.2	4.9	6.3	4.5	3.8	3.5	4.2	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)