

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: P629944

Luminaire Tested: GWS-SA1C-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-760-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 2847.5 lumens
Efficiency: N/A
Efficacy: 83.5 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

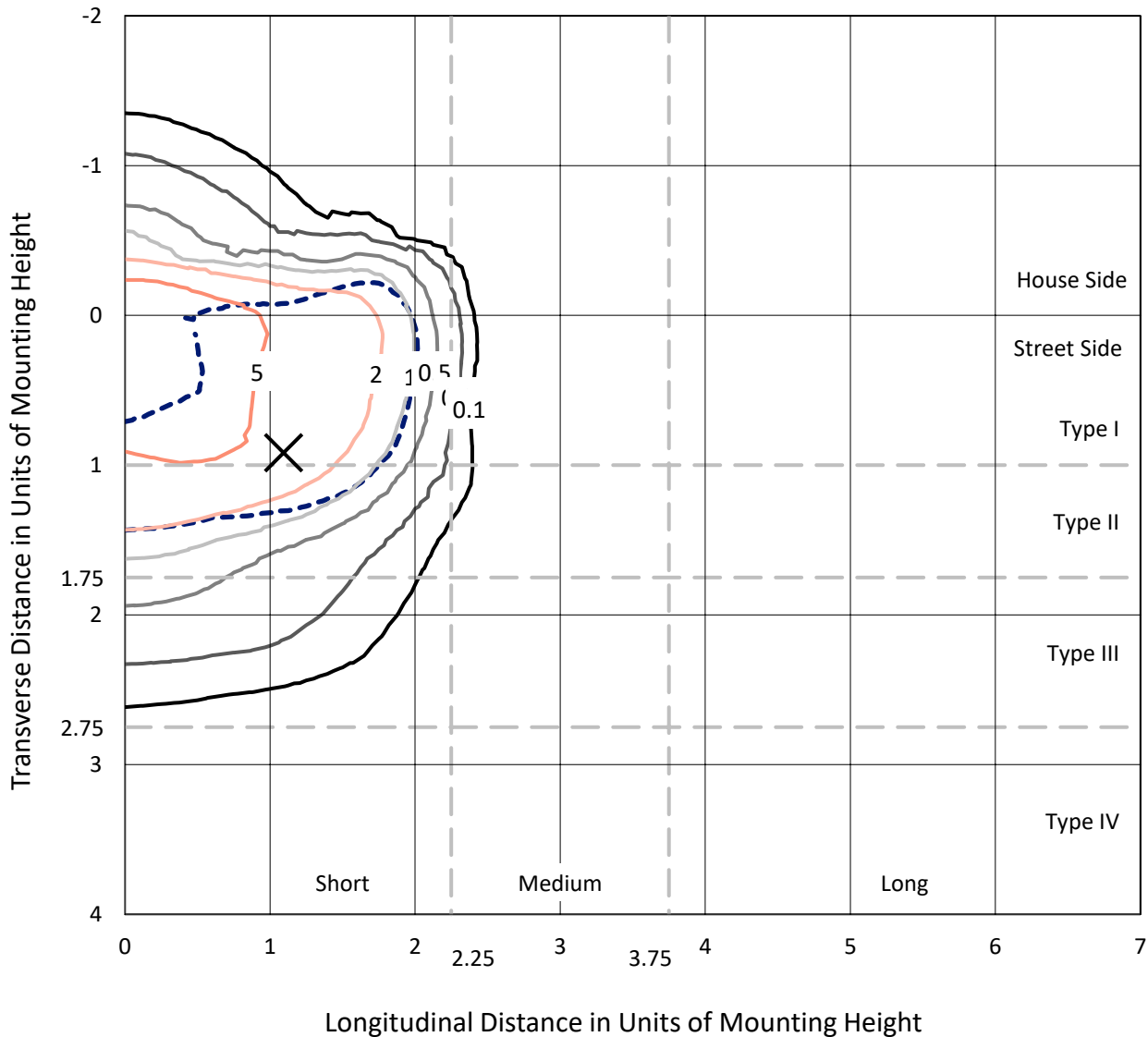
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

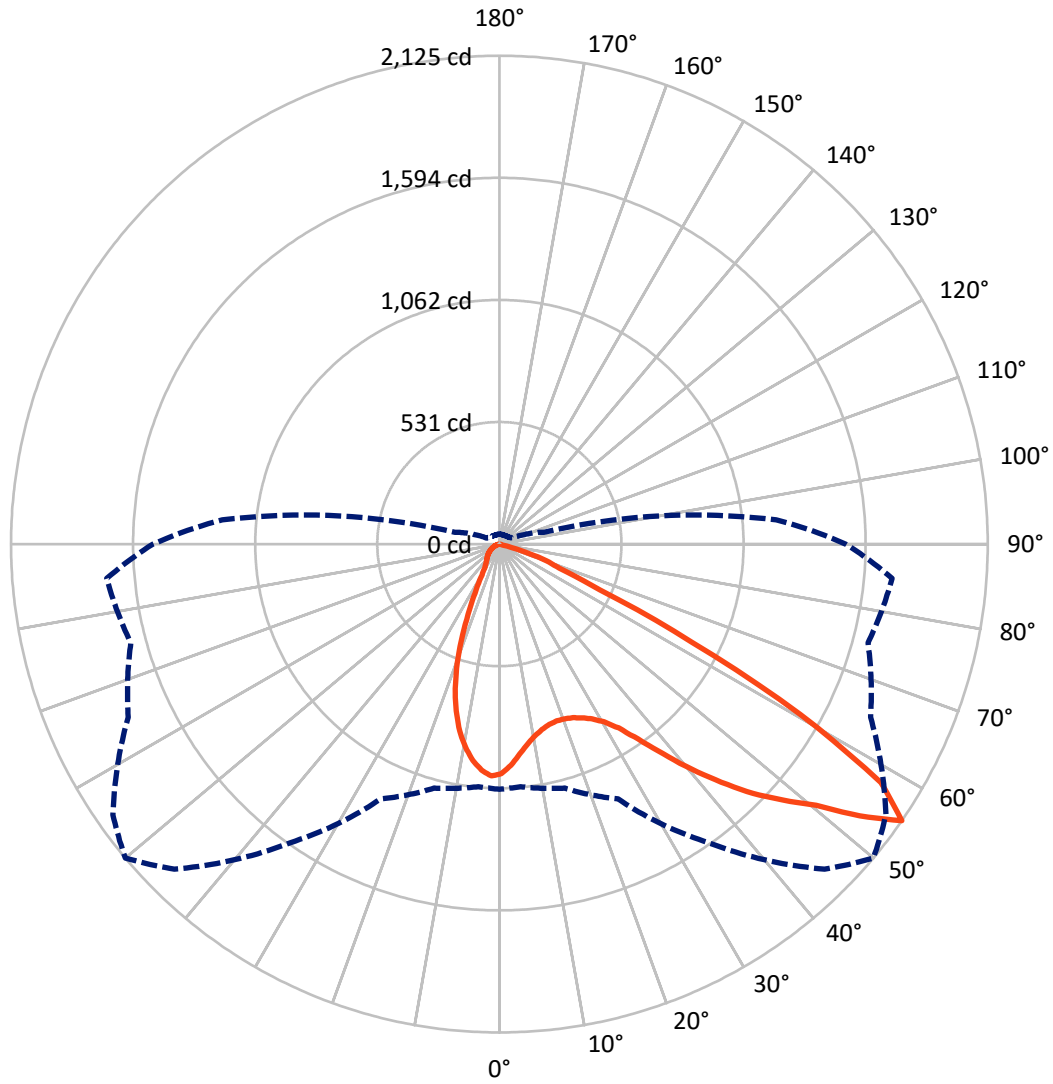
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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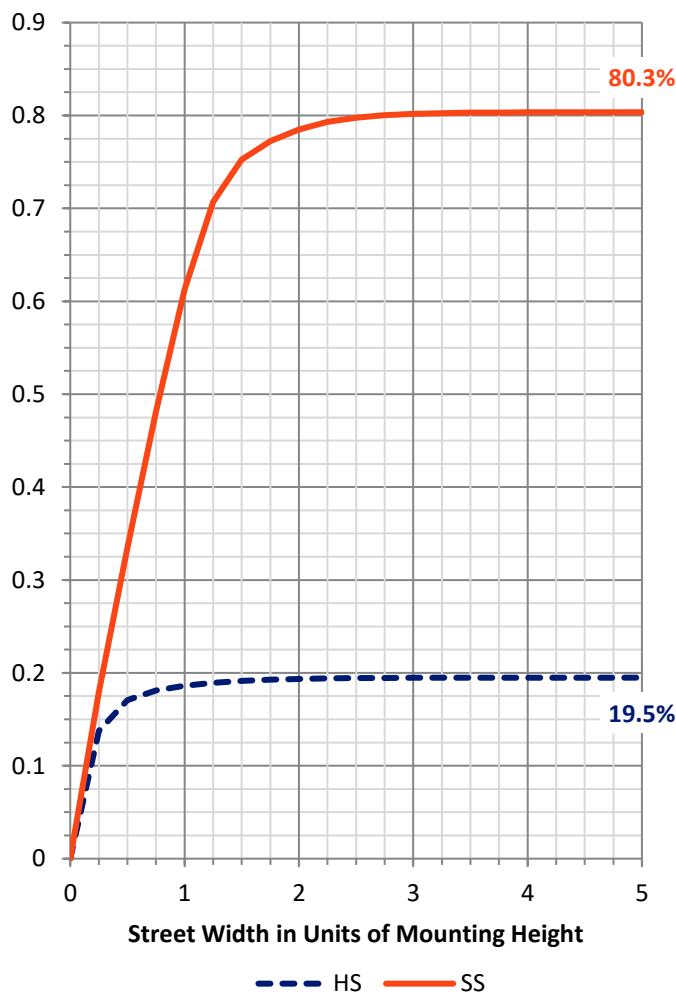
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	561.1	0.0	561.1
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	2286.4	0.0	2286.4
	% Fixture	80.3	0.0	80.3
Total	Lumens	2847.5	0.0	2847.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.7	3.1
10°-20°	215.9	7.6
20°-30°	304.6	10.7
30°-40°	450.7	15.8
40°-50°	650.2	22.8
50°-60°	766.9	26.9
60°-70°	342.1	12.0
70°-80°	29.4	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°	2847.5	100.0
0°-180°	2847.5	100.0

Coefficient of Utilization



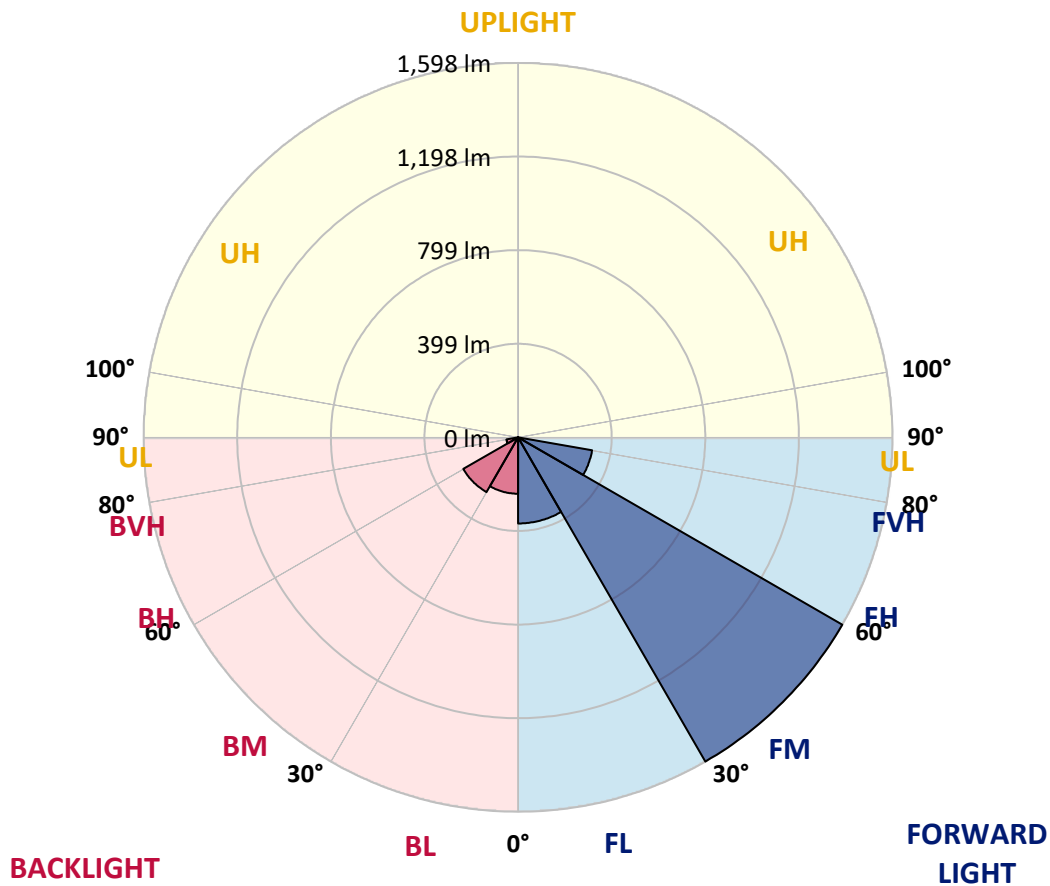
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	367.6	12.9			
FM (30°-60°)	1597.9	56.1			
FH (60°-80°)	320.9	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	240.6	8.4	B1/500		
BM (30°-60°)	269.8	9.5	B1/1000		
BH (60°-80°)	50.7	1.8	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°	50°	55°	65°	75°	85°
0°	999.1	999.1	999.1	999.1	999.1	999.1	999.1	999.1	999.1	999.1	999.1
2.5°	928.1	928.8	929.2	938.6	942.1	956.0	963.3	967.1	977.2	989.0	998.7
5°	865.9	864.9	866.6	878.4	886.1	906.6	917.7	925.4	947.6	975.4	998.7
7.5°	811.7	813.8	815.9	828.7	840.2	862.4	878.4	889.9	920.8	962.2	1001.5
10°	773.5	773.5	776.6	791.2	804.7	832.2	848.2	862.8	899.6	950.4	1004.6
12.5°	745.3	745.6	749.5	766.2	781.8	810.3	827.0	841.2	881.9	938.6	1005.3
15°	732.1	731.0	734.2	751.9	769.3	796.1	813.4	827.3	869.4	932.0	1008.8
17.5°	728.6	727.9	730.4	747.7	765.5	791.5	808.6	822.5	867.7	934.1	1019.2
20°	738.7	737.3	736.3	751.2	767.9	793.6	811.3	827.0	876.0	945.5	1035.2
22.5°	762.7	762.7	760.2	767.5	778.7	802.0	820.4	840.9	897.9	968.5	1058.9
25°	806.8	803.4	798.8	802.0	800.6	815.2	837.1	865.6	939.3	1006.4	1087.7
27.5°	857.2	860.4	852.7	853.1	840.9	835.7	861.1	904.2	1000.8	1059.9	1130.5
30°	925.7	923.3	923.6	922.6	894.4	869.7	897.2	954.6	1078.3	1141.6	1186.1
32.5°	979.2	982.7	994.2	1000.8	964.0	924.3	953.5	1023.0	1166.6	1234.7	1254.2
35°	1035.9	1042.2	1065.5	1087.0	1056.1	1010.5	1041.8	1113.8	1249.7	1326.9	1332.4
37.5°	1095.7	1108.2	1136.0	1173.9	1169.0	1128.7	1157.2	1220.5	1315.0	1382.5	1397.1
40°	1164.2	1176.3	1221.9	1276.5	1287.9	1278.9	1288.3	1325.1	1358.2	1384.9	1424.9
42.5°	1239.3	1256.0	1313.7	1386.7	1429.8	1437.8	1415.9	1412.0	1376.9	1357.1	1419.0
45°	1327.9	1347.4	1412.7	1507.3	1575.8	1586.5	1548.6	1499.6	1388.7	1336.6	1401.3
47.5°	1427.3	1445.8	1510.8	1624.4	1726.3	1730.5	1664.4	1585.5	1423.9	1360.2	1414.8
50°	1460.7	1472.2	1528.5	1662.0	1849.7	1881.7	1786.1	1682.1	1494.4	1429.8	1480.9
52.5°	1346.0	1350.5	1399.5	1534.4	1824.7	2030.1	1963.7	1826.4	1619.9	1535.8	1582.7
55°	1066.5	1059.2	1098.8	1222.6	1585.8	1999.9	2124.7	2053.0	1781.6	1660.2	1715.2
57.5°	746.0	737.3	728.3	812.0	1183.3	1695.3	1957.8	2084.7	1935.6	1783.6	1858.0
60°	613.2	604.9	561.1	522.5	715.4	1217.4	1503.8	1742.6	1923.0	1777.4	1853.5
62.5°	529.8	524.9	507.2	454.7	421.0	694.9	941.7	1170.4	1475.6	1395.7	1399.9
65°	416.1	414.7	426.9	432.4	372.3	384.5	480.4	608.3	797.8	752.3	713.3
67.5°	284.4	281.2	304.2	374.0	358.0	303.5	281.2	283.7	345.2	211.0	167.6
70°	180.8	173.5	173.8	231.9	291.3	239.5	216.9	190.8	171.7	31.3	35.5
72.5°	115.8	111.2	95.6	104.6	134.9	116.8	117.8	101.5	67.8	16.7	19.5
75°	48.7	44.8	34.4	27.5	27.1	17.0	14.9	13.9	9.4	9.4	10.1
77.5°	0.3	0.0	0.0	0.3	0.7	0.3	0.3	0.7	1.4	2.1	2.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	999.1	999.1	999.1	999.1	999.1	999.1	999.1	999.1	999.1	999.1	999.1
2.5°	1004.6	996.3	1005.7	1009.1	1008.8	1009.1	999.1	992.1	991.8	983.1	978.9
5°	1008.4	1001.8	1008.8	1004.3	993.5	979.9	961.9	946.2	939.3	929.2	924.3
7.5°	1015.7	1008.8	1007.8	989.7	962.9	934.4	902.4	873.9	858.6	840.2	841.2
10°	1021.0	1013.0	999.4	962.6	918.1	872.5	824.9	782.5	755.7	731.0	726.9
12.5°	1023.0	1011.2	979.6	924.0	861.4	802.0	732.1	671.6	629.9	597.6	593.0
15°	1026.9	1007.8	954.2	877.4	791.5	707.4	618.4	535.7	480.4	443.2	446.3
17.5°	1032.8	1003.9	925.7	825.3	716.4	597.6	477.3	382.4	331.6	310.1	310.4
20°	1041.1	999.4	894.4	767.9	626.4	473.5	333.7	262.1	247.9	247.2	246.1
22.5°	1052.2	994.9	861.1	705.0	519.7	331.6	222.1	199.9	205.8	217.3	219.3
25°	1065.5	989.3	823.9	634.1	403.2	217.6	166.5	163.0	177.3	192.6	196.1
27.5°	1086.0	986.5	781.5	553.4	283.0	156.1	136.3	138.4	151.2	164.1	167.2
30°	1120.7	991.8	735.2	463.0	181.8	124.4	118.2	121.3	128.3	134.9	137.7
32.5°	1168.0	1007.1	690.4	364.3	129.7	108.1	106.7	108.5	111.2	115.1	116.1
35°	1223.3	1033.5	644.1	260.7	107.1	98.7	97.3	97.3	98.7	99.4	99.8
37.5°	1268.8	1061.3	600.7	173.5	95.9	91.4	89.3	88.3	87.9	88.6	89.0
40°	1288.6	1072.8	553.4	126.2	87.9	84.8	81.7	78.6	78.6	81.0	81.3
42.5°	1274.7	1059.9	498.8	104.3	82.4	77.9	73.0	70.2	71.6	74.0	74.7
45°	1245.2	1028.3	438.7	92.1	76.8	70.9	65.4	63.6	65.0	68.1	68.8
47.5°	1240.3	1007.4	366.7	84.1	70.9	65.0	59.1	57.4	59.1	61.5	62.2
50°	1288.6	1025.5	286.8	77.2	65.4	58.7	53.9	52.1	53.2	54.6	55.3
52.5°	1376.9	1092.6	231.5	70.6	58.7	52.5	49.4	47.3	47.3	48.7	49.0
55°	1507.3	1209.7	199.9	62.9	51.1	47.6	44.8	42.8	42.8	43.5	43.8
57.5°	1657.5	1351.5	207.2	52.8	44.8	43.1	40.7	38.9	39.6	39.6	39.6
60°	1636.6	1341.1	221.8	44.5	39.6	38.9	36.8	36.2	37.9	36.5	35.8
62.5°	1205.5	926.4	116.1	36.5	34.1	33.4	32.0	33.4	35.8	32.0	30.6
65°	585.4	448.4	46.6	29.9	28.9	28.2	27.5	29.5	30.9	25.0	23.6
67.5°	137.7	111.9	30.2	25.4	24.0	22.6	23.3	23.6	22.6	17.0	16.3
70°	35.8	35.1	23.6	21.2	19.1	17.7	17.7	17.4	14.9	10.8	10.1
72.5°	19.5	19.1	17.0	16.0	13.2	11.8	12.2	10.8	8.3	6.3	5.9
75°	9.7	10.4	9.7	9.0	7.3	6.6	6.6	5.9	4.2	2.4	2.4
77.5°	2.1	2.4	2.4	2.1	1.7	1.4	1.4	1.7	0.7	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	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)