

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: P629952

Luminaire Tested: GWS-SA1C-760-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629952
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-760-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3820.8 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

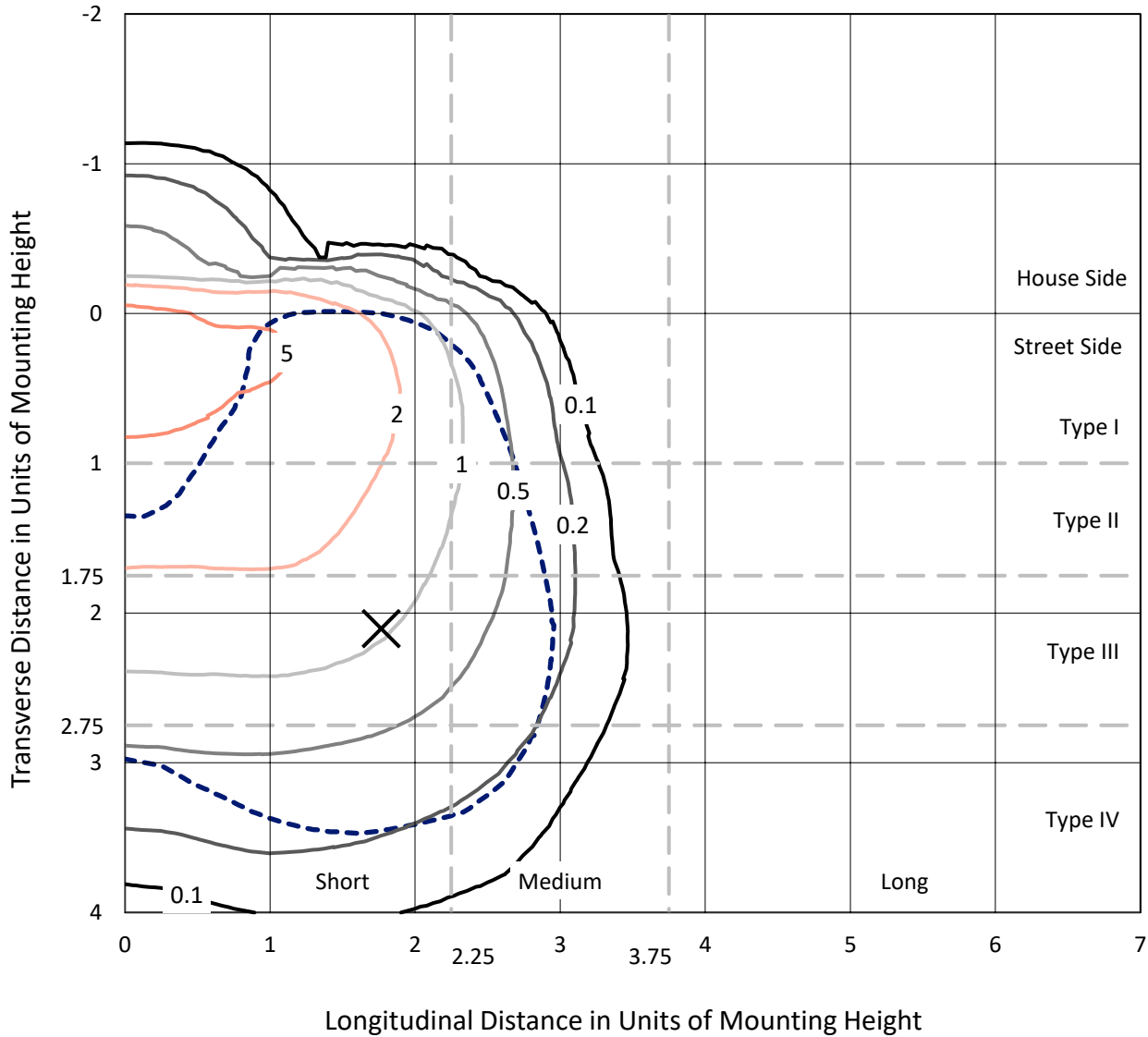
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

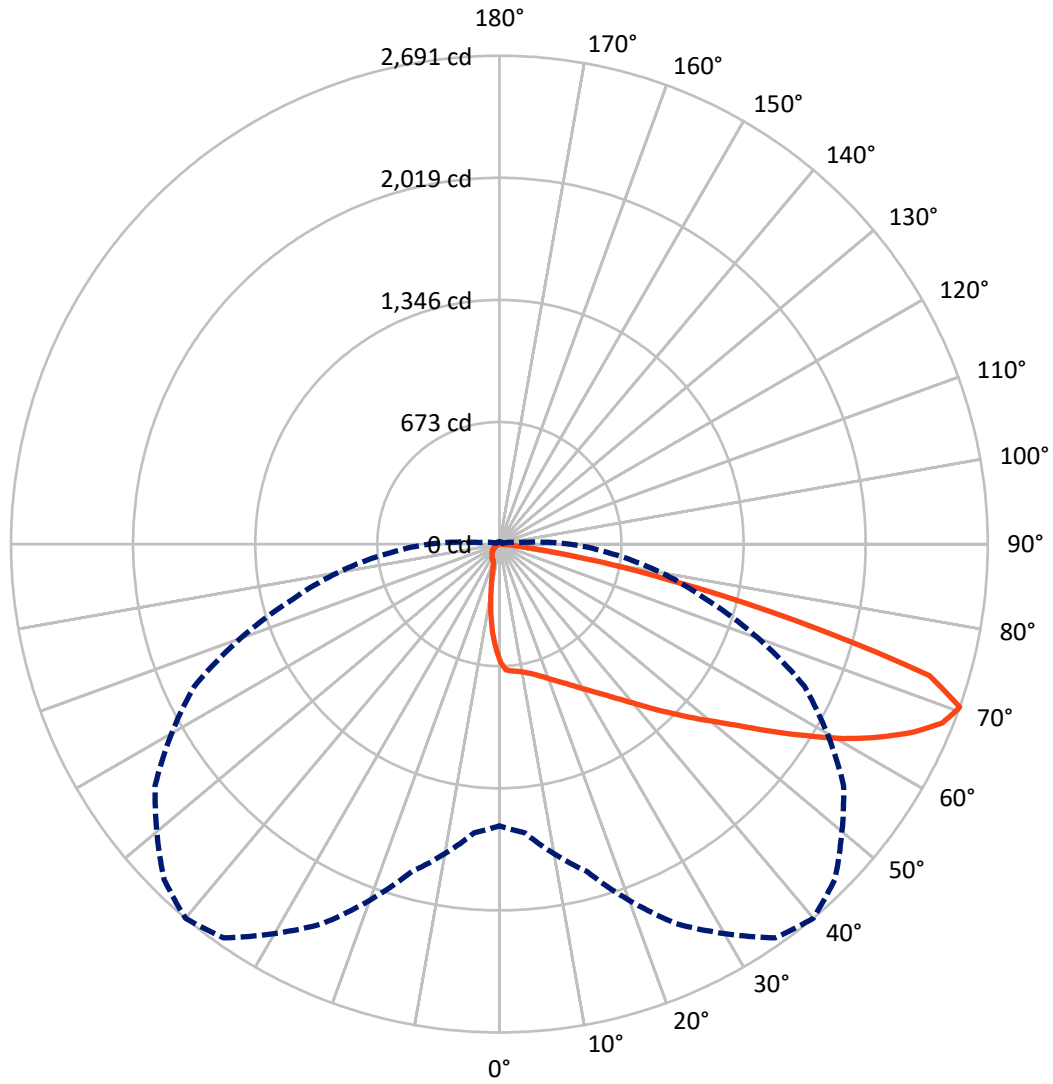
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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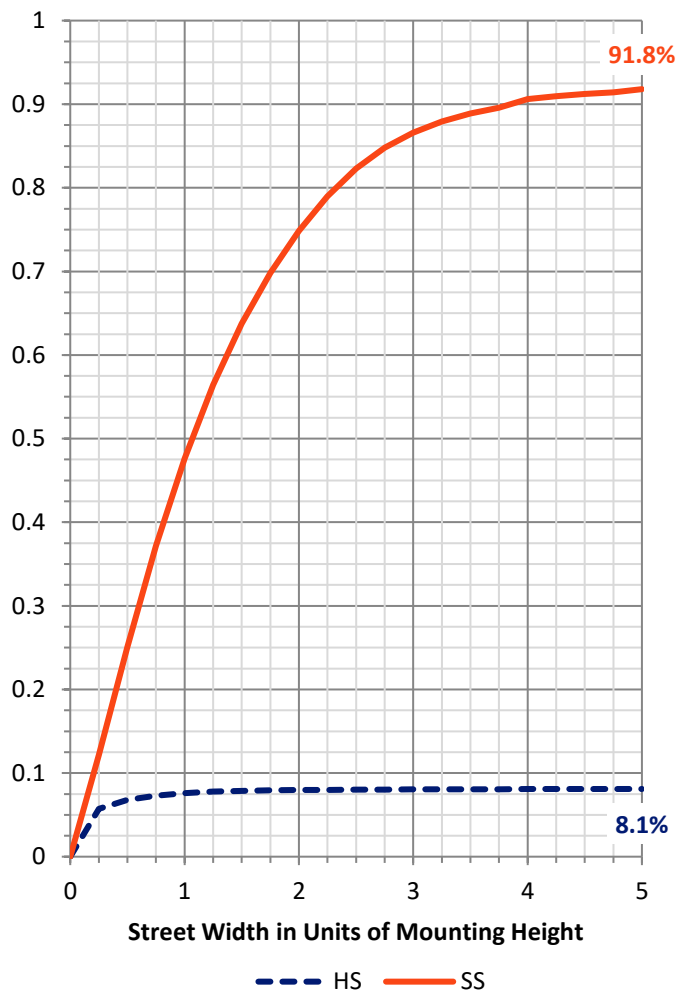
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	312.4	0.0	312.4
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	3508.4	0.0	3508.4
	% Fixture	91.8	0.0	91.8
Total	Lumens	3820.8	0.0	3820.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	1.4
10°-20°	139.0	3.6
20°-30°	232.6	6.1
30°-40°	365.3	9.6
40°-50°	577.9	15.1
50°-60°	843.0	22.1
60°-70°	1045.0	27.4
70°-80°	528.7	13.8
80°-90°	34.5	0.9
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°	3820.8	100.0
0°-180°	3820.8	100.0

Coefficient of Utilization



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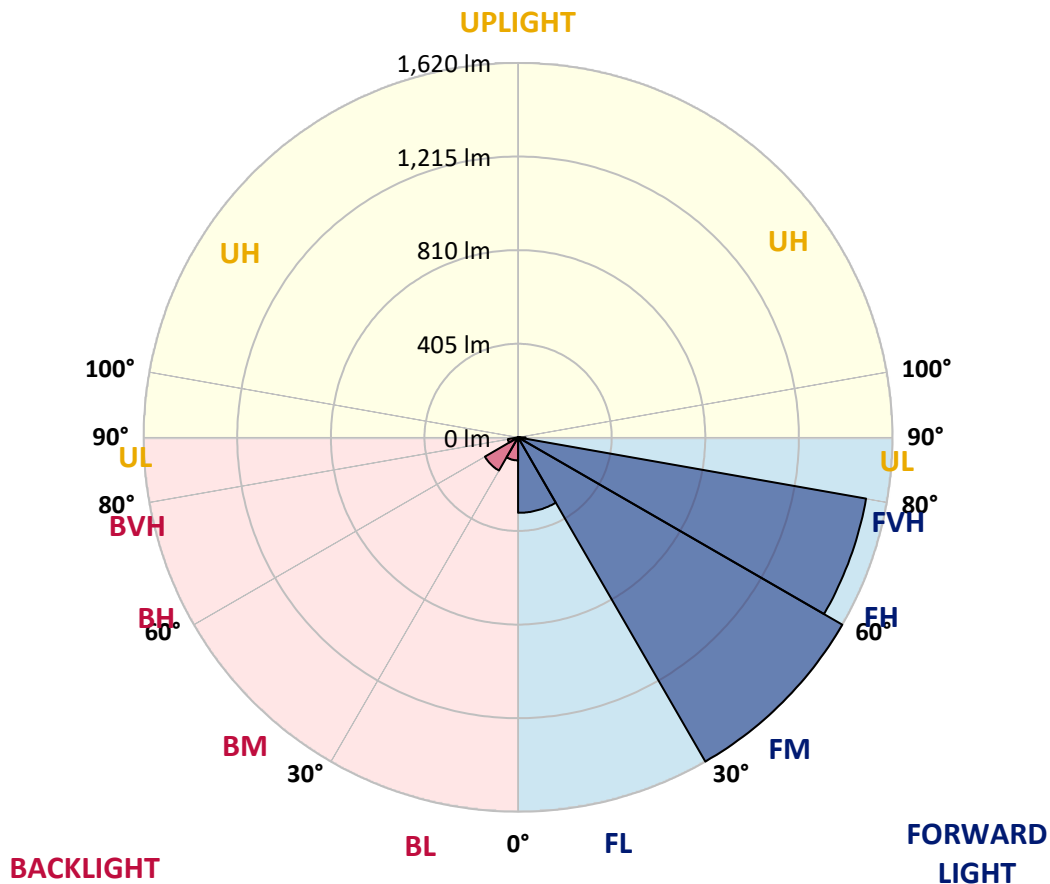
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	326.6	8.5			
FM (30°-60°)	1620.4	42.4			
FH (60°-80°)	1529.2	40.0			G1/1800
FVH (80°-90°)	32.2	0.8			G1/100
BL (0°-30°)	99.8	2.6	B0/110		
BM (30°-60°)	165.8	4.3	B0/220		
BH (60°-80°)	44.5	1.2	B0/110		G0/110
BVH (80°-90°)	2.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3
2.5°	697.0	699.4	699.1	700.1	697.7	693.9	693.2	688.0	678.6	666.8	653.6
5°	711.3	714.0	712.0	710.9	706.4	702.2	701.2	695.6	684.8	668.9	645.9
7.5°	723.4	724.1	722.7	720.3	713.7	708.1	704.3	696.7	683.8	667.8	641.4
10°	725.5	725.2	725.9	726.2	722.0	717.2	714.0	703.6	687.3	670.2	641.7
12.5°	723.1	723.1	727.6	732.8	732.8	730.4	727.3	717.9	698.8	678.6	648.7
15°	726.2	727.3	735.9	745.7	748.8	746.4	745.0	735.3	715.4	693.2	661.2
17.5°	737.3	738.4	752.3	766.9	770.7	767.9	765.2	755.4	734.2	709.9	675.5
20°	753.7	756.5	774.2	793.0	796.4	793.0	787.4	773.8	752.6	728.0	689.0
22.5°	783.6	785.3	804.4	824.2	826.0	820.4	812.1	793.3	771.1	747.1	704.3
25°	823.2	825.6	844.8	863.9	859.4	851.0	839.5	818.3	793.0	769.7	723.8
27.5°	870.5	873.3	892.0	908.7	896.9	887.2	874.3	847.9	822.2	801.0	748.8
30°	921.6	924.0	940.7	955.7	940.0	928.5	913.2	886.1	860.1	844.1	784.3
32.5°	971.0	970.6	986.6	998.8	982.8	973.7	959.8	932.4	911.5	904.6	837.1
35°	1016.8	1016.8	1030.0	1042.2	1030.7	1025.9	1013.0	991.1	979.3	987.6	907.7
37.5°	1063.1	1060.6	1073.2	1086.7	1085.7	1086.0	1078.7	1068.3	1069.0	1098.5	1004.7
40°	1101.3	1100.3	1114.9	1132.6	1146.5	1157.6	1153.1	1156.9	1178.8	1234.1	1128.8
42.5°	1131.9	1134.3	1153.1	1181.3	1216.4	1239.0	1242.1	1257.8	1314.1	1399.6	1268.9
45°	1167.0	1167.4	1193.4	1236.5	1292.5	1328.3	1340.8	1381.2	1461.1	1571.3	1422.5
47.5°	1210.1	1206.0	1235.2	1295.6	1376.6	1429.5	1451.7	1502.1	1625.9	1738.9	1547.7
50°	1257.8	1250.1	1283.1	1365.5	1470.9	1536.9	1582.1	1655.8	1789.3	1876.5	1640.8
52.5°	1313.0	1305.7	1343.3	1445.8	1583.8	1664.1	1722.2	1796.6	1929.4	1981.5	1696.5
55°	1383.2	1375.9	1415.6	1542.1	1717.3	1821.6	1882.5	1945.0	2059.8	2059.1	1736.8
57.5°	1461.1	1451.0	1506.0	1663.8	1883.8	1992.3	2054.2	2084.8	2158.8	2119.2	1763.9
60°	1550.5	1541.4	1617.6	1808.8	2076.1	2176.6	2215.5	2203.0	2240.2	2154.7	1754.5
62.5°	1631.1	1626.9	1721.5	1962.4	2259.3	2344.1	2354.9	2300.3	2300.0	2155.4	1691.3
65°	1714.9	1722.9	1863.3	2139.4	2443.5	2500.6	2482.1	2397.0	2324.0	2070.2	1504.2
67.5°	1746.2	1769.5	1956.9	2299.3	2588.9	2633.4	2601.0	2445.3	2224.2	1783.7	1145.5
70°	1552.9	1596.7	1868.6	2308.3	2649.0	2691.4	2613.9	2315.3	1854.3	1181.6	627.5
72.5°	1180.9	1232.0	1557.1	1890.1	2382.4	2479.0	2346.6	1886.3	1195.2	517.6	210.7
75°	660.9	716.1	1159.7	1423.2	1599.5	1687.8	1639.1	1210.1	529.5	135.2	62.9
77.5°	223.5	242.0	539.5	880.6	1055.8	976.5	826.7	601.1	194.7	51.5	33.4
80°	132.4	139.4	200.9	438.4	555.5	460.6	363.6	222.1	99.1	27.5	23.3
82.5°	39.6	46.9	110.9	162.7	217.6	135.6	114.7	126.9	51.5	14.9	19.5
85°	0.0	0.0	23.6	50.4	57.0	22.2	22.2	72.0	9.4	6.3	14.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.7	1.0	1.4	3.1
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°	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3	648.3
2.5°	644.2	632.0	617.8	604.2	591.3	574.6	566.6	556.9	548.6	544.1	546.5
5°	631.3	612.2	583.0	553.4	523.5	495.4	470.0	453.0	437.7	429.7	431.4
7.5°	620.2	594.5	548.9	500.6	452.6	404.3	365.0	334.4	310.8	301.1	299.3
10°	615.3	583.0	518.7	449.1	375.4	310.4	254.8	221.1	197.1	185.3	187.4
12.5°	617.8	577.1	492.9	398.7	303.1	227.4	174.2	142.5	125.5	118.5	116.8
15°	624.7	575.7	470.0	347.3	234.0	158.9	120.3	107.4	103.9	103.2	103.2
17.5°	632.7	576.0	446.4	295.1	177.6	117.8	102.9	100.5	99.4	98.7	99.1
20°	640.7	576.0	419.3	242.3	133.5	101.9	98.0	96.3	95.3	94.9	94.9
22.5°	650.4	576.0	389.0	193.3	107.1	96.6	93.5	92.5	91.4	91.1	90.7
25°	662.2	576.4	355.6	151.2	97.3	92.1	89.7	88.6	87.6	86.9	86.9
27.5°	679.3	579.2	318.8	117.8	91.8	88.0	85.9	84.8	83.8	82.7	82.7
30°	704.0	586.1	277.4	97.3	86.6	83.4	81.3	80.7	79.6	78.6	78.2
32.5°	740.8	598.3	234.7	87.3	81.7	78.6	76.1	75.4	74.4	73.4	73.0
35°	792.3	620.5	192.9	81.0	75.4	72.3	70.9	70.6	69.2	68.1	68.1
37.5°	867.7	656.7	153.0	74.7	70.2	67.8	66.1	65.4	64.0	62.9	62.6
40°	959.8	703.6	118.9	69.9	65.4	62.9	61.2	60.1	58.4	57.0	56.3
42.5°	1077.3	761.0	93.9	64.7	60.8	58.4	57.0	54.9	52.5	50.4	50.1
45°	1199.7	820.1	77.5	59.8	56.7	54.6	52.8	50.1	46.6	44.1	43.5
47.5°	1293.6	856.9	67.8	54.6	52.1	50.4	48.3	44.8	40.7	37.9	37.2
50°	1360.7	862.5	60.5	49.7	48.3	46.6	43.5	39.3	34.8	32.0	31.3
52.5°	1393.7	837.5	54.6	45.2	44.1	42.4	38.6	34.1	29.2	26.4	25.7
55°	1408.6	790.2	49.0	41.4	40.0	37.9	33.7	28.9	24.0	21.6	20.9
57.5°	1402.7	720.3	44.1	37.5	35.8	33.4	28.9	23.6	19.8	17.4	17.0
60°	1358.9	622.3	39.3	33.7	31.6	28.9	24.3	19.5	16.0	14.3	13.9
62.5°	1264.4	500.6	34.4	29.2	27.8	25.0	20.9	16.0	13.2	12.2	11.8
65°	1070.7	353.9	29.5	24.7	24.0	21.2	17.4	13.2	11.5	10.8	10.4
67.5°	769.7	215.2	25.0	21.2	20.5	18.1	14.6	11.5	10.4	10.1	10.1
70°	386.9	101.9	19.8	17.4	17.4	14.9	12.5	10.4	10.1	9.7	9.7
72.5°	131.4	43.5	14.9	13.6	14.3	12.9	10.8	9.7	9.7	9.7	9.7
75°	44.8	22.9	10.4	9.7	10.4	10.4	9.4	9.4	9.7	9.7	9.7
77.5°	29.2	15.3	7.3	6.6	8.0	8.0	8.0	8.7	9.4	9.4	9.4
80°	24.0	8.3	4.9	4.5	5.9	5.9	6.6	8.0	8.7	8.7	8.7
82.5°	20.5	5.2	2.8	3.1	4.2	4.5	5.6	6.6	7.6	8.0	8.0
85°	13.9	2.8	2.1	2.4	2.8	3.5	4.5	5.6	6.3	7.0	7.0
87.5°	3.8	1.0	1.4	1.7	1.7	2.4	3.5	4.2	4.9	5.2	5.2
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)