

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: P629898

Luminaire Tested: GWS-SA1C-750-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629898
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4722 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

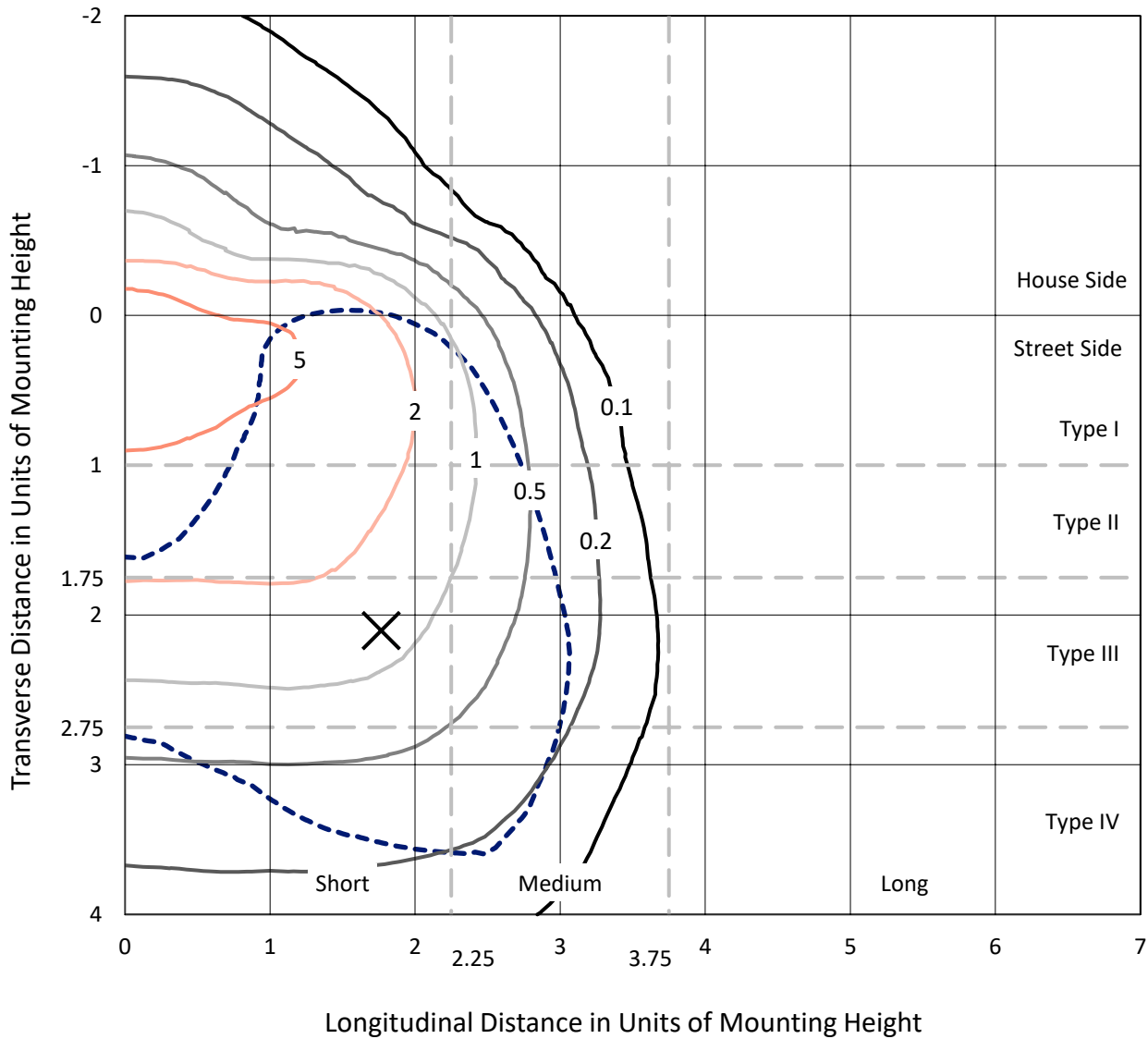
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

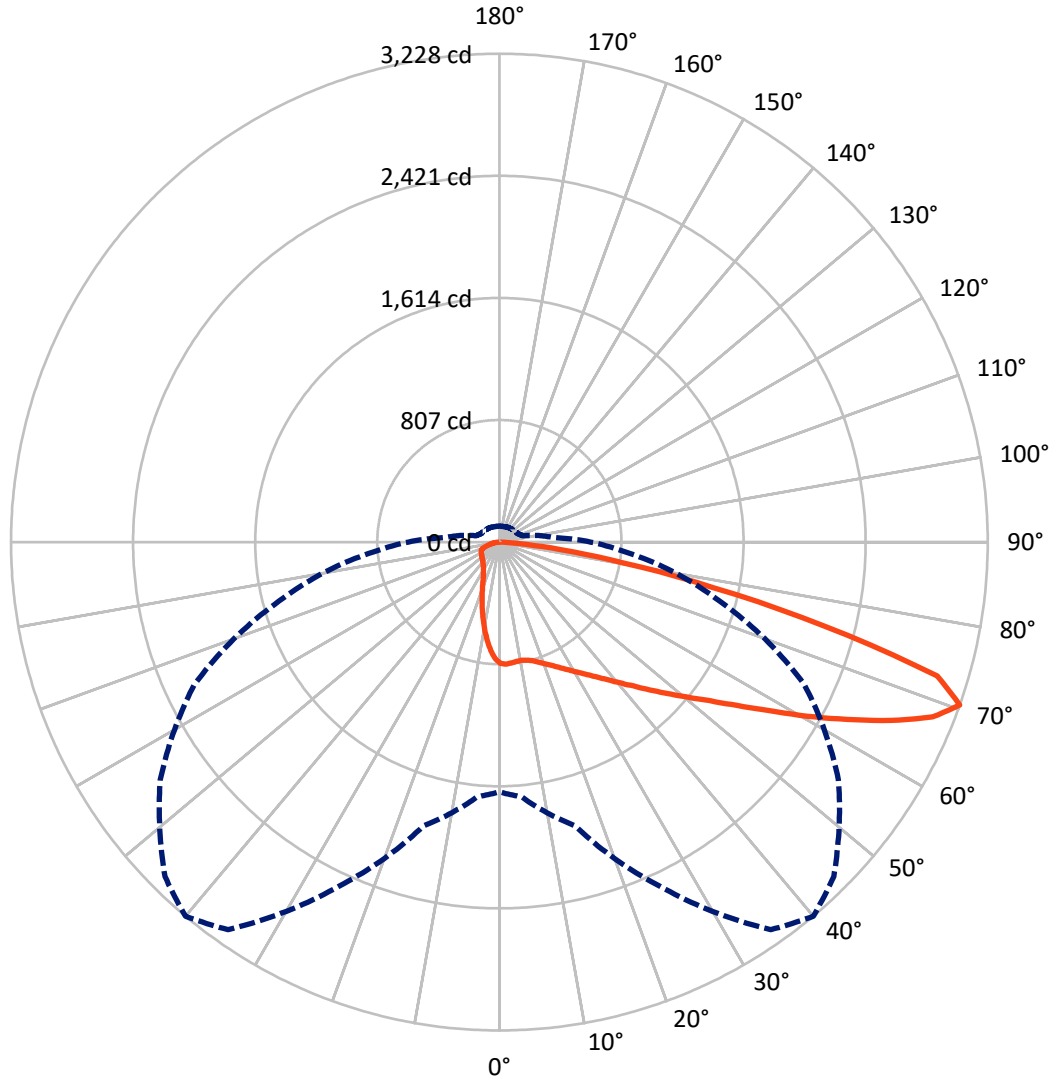
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 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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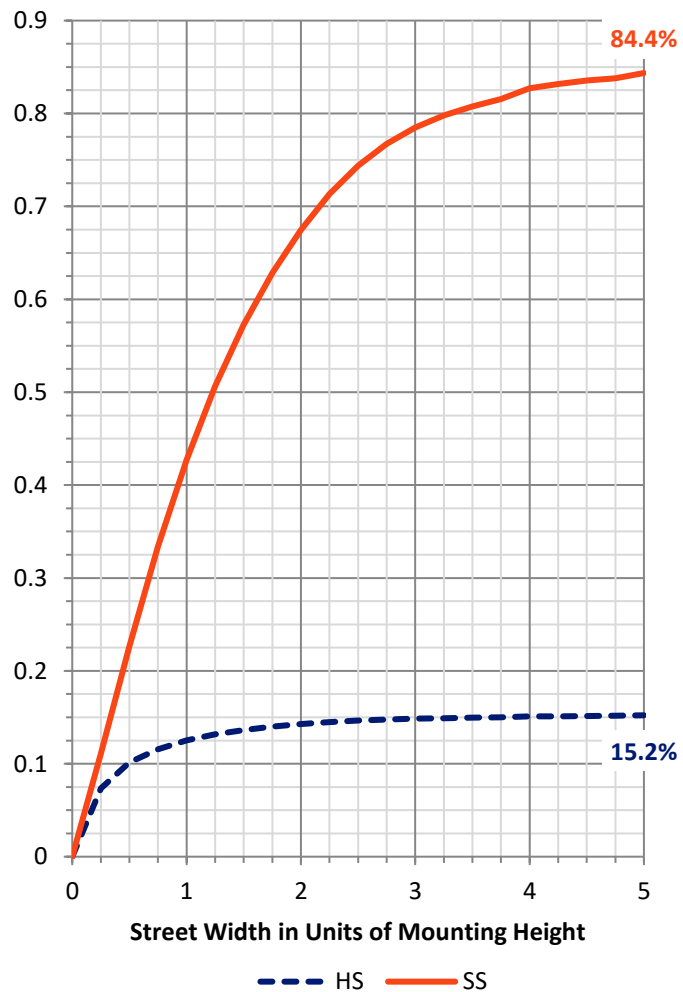
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	727.3	0.0	727.3
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	3994.7	0.0	3994.7
	% Fixture	84.6	0.0	84.6
Total	Lumens	4722.0	0.0	4722.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	1.5
10°-20°	184.6	3.9
20°-30°	289.9	6.1
30°-40°	435.9	9.2
40°-50°	672.8	14.2
50°-60°	999.2	21.2
60°-70°	1259.5	26.7
70°-80°	728.3	15.4
80°-90°	80.8	1.7
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°	4722.0	100.0
0°-180°	4722.0	100.0

Coefficient of Utilization



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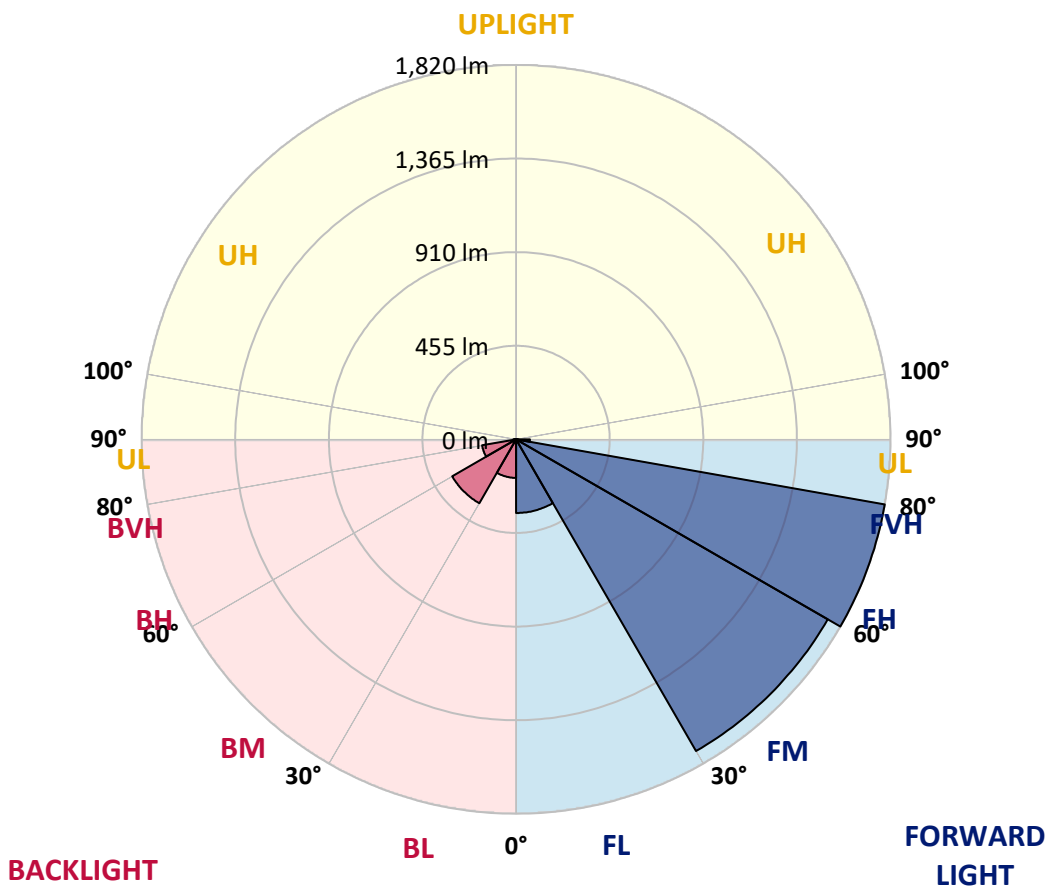
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	358.0	7.6			
FM (30°-60°)	1749.4	37.0			
FH (60°-80°)	1820.0	38.5			G2/5000
FVH (80°-90°)	67.3	1.4			G1/100
BL (0°-30°)	187.4	4.0	B1/500		
BM (30°-60°)	358.5	7.6	B1/1000		
BH (60°-80°)	167.9	3.6	B1/500		G1/500
BVH (80°-90°)	13.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8
2.5°	806.8	808.2	809.3	810.7	810.0	807.8	809.6	809.6	805.7	801.5	797.6
5°	807.8	809.6	809.3	808.9	806.1	802.6	802.6	800.4	793.7	787.0	780.7
7.5°	805.7	805.4	805.0	804.0	800.8	796.9	796.2	792.0	783.2	774.0	764.8
10°	796.2	795.9	796.9	799.4	798.7	795.2	795.2	791.3	781.1	769.8	757.8
12.5°	788.5	788.5	792.7	799.4	801.8	800.4	800.8	798.0	786.3	772.9	758.8
15°	789.5	789.9	799.0	810.0	814.5	813.5	813.8	810.7	797.6	784.2	765.2
17.5°	796.6	798.3	814.2	829.3	835.3	833.9	831.5	826.2	811.4	796.2	772.9
20°	811.4	814.2	834.6	853.7	860.7	857.5	853.3	842.7	826.5	810.0	781.4
22.5°	840.6	842.4	864.9	883.6	889.3	885.4	876.9	861.8	843.1	825.8	791.6
25°	881.9	884.0	905.5	922.7	921.3	916.8	905.1	886.4	864.2	845.9	806.4
27.5°	930.9	934.4	955.5	969.3	960.1	953.4	940.4	917.8	892.8	876.2	829.0
30°	984.4	985.8	1003.8	1017.6	1003.5	994.3	978.4	954.1	931.6	919.2	862.8
32.5°	1036.2	1037.6	1053.2	1060.9	1046.1	1039.4	1025.7	999.9	984.1	977.4	913.2
35°	1090.9	1090.5	1103.2	1109.9	1094.7	1091.9	1077.8	1058.1	1055.3	1064.1	986.9
37.5°	1145.5	1142.3	1149.0	1157.8	1149.4	1152.2	1143.0	1136.3	1147.3	1170.2	1084.9
40°	1189.2	1189.2	1196.3	1207.2	1210.0	1222.3	1217.0	1225.9	1261.1	1315.7	1206.1
42.5°	1228.0	1228.3	1243.1	1260.0	1280.5	1299.5	1303.8	1326.7	1399.6	1485.3	1358.4
45°	1268.5	1268.9	1289.0	1313.6	1357.0	1393.3	1401.7	1453.2	1557.5	1661.9	1523.7
47.5°	1315.4	1311.5	1339.4	1380.6	1442.3	1494.4	1516.3	1589.2	1721.1	1849.4	1679.5
50°	1368.3	1360.1	1391.2	1462.4	1538.5	1610.0	1646.7	1730.2	1896.6	2022.4	1826.1
52.5°	1427.8	1423.2	1455.7	1542.4	1658.7	1741.2	1790.9	1900.5	2067.2	2194.8	1942.4
55°	1501.8	1490.9	1537.8	1648.1	1799.7	1904.7	1963.6	2068.9	2253.6	2351.3	2031.2
57.5°	1582.9	1570.9	1633.7	1780.3	1982.9	2098.2	2171.9	2258.6	2429.2	2471.1	2083.4
60°	1670.3	1666.4	1740.8	1935.4	2201.5	2335.4	2388.6	2467.2	2581.8	2540.5	2070.4
62.5°	1750.3	1748.9	1857.1	2103.5	2433.0	2580.4	2622.7	2643.5	2691.7	2536.0	1966.7
65°	1834.6	1846.5	1992.8	2298.4	2698.4	2843.0	2860.6	2807.7	2728.8	2415.8	1754.6
67.5°	1845.1	1868.4	2078.1	2481.0	2950.1	3086.5	3072.4	2870.1	2619.5	2081.3	1375.3
70°	1650.2	1690.8	1942.1	2508.8	3127.4	3227.8	3126.0	2735.8	2223.0	1507.8	864.9
72.5°	1378.8	1413.7	1635.8	2139.4	2898.6	3026.6	2888.8	2315.7	1570.9	864.9	440.6
75°	1073.2	1113.8	1318.6	1700.6	2170.1	2221.2	2152.1	1615.0	863.5	356.7	200.2
77.5°	654.9	684.1	843.4	1152.2	1518.4	1441.9	1222.0	905.5	378.9	170.9	123.7
80°	289.7	307.7	415.6	618.9	877.3	829.3	653.8	386.7	207.2	108.6	86.4
82.5°	155.4	167.1	204.8	245.0	385.2	402.9	326.7	222.8	111.4	62.0	49.3
85°	68.4	75.1	93.0	88.8	126.5	124.4	125.5	153.0	53.2	28.5	32.1
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	3.9	20.4	5.3	8.5	7.4
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°	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8	801.8
2.5°	793.4	787.0	785.3	783.2	779.3	772.6	767.7	762.0	759.6	756.7	757.1
5°	773.7	765.9	758.5	749.0	737.0	723.6	714.4	703.9	698.2	692.9	694.3
7.5°	756.7	744.8	729.6	709.5	688.0	664.0	644.7	629.5	619.3	612.2	615.8
10°	746.2	732.1	705.6	672.8	636.5	599.9	572.0	546.0	529.7	517.1	516.4
12.5°	744.0	725.7	687.3	639.7	587.2	538.2	497.3	462.1	440.6	424.7	430.7
15°	746.2	722.9	671.4	609.1	542.8	476.5	425.8	385.2	359.5	345.1	344.0
17.5°	748.6	720.1	653.5	575.9	496.3	420.5	361.6	318.6	292.2	277.7	278.1
20°	750.7	715.8	632.3	539.6	449.0	368.3	307.3	266.5	242.8	232.3	234.0
22.5°	754.3	711.6	609.8	500.8	400.7	317.9	264.3	231.2	217.1	210.1	210.4
25°	761.0	709.2	586.5	458.6	353.2	277.7	234.7	212.5	203.7	199.5	199.1
27.5°	774.7	711.3	562.2	417.7	310.2	247.1	215.7	201.3	195.3	192.4	192.1
30°	797.6	719.7	541.0	376.1	273.2	223.1	202.7	193.9	190.3	187.9	187.5
32.5°	832.5	735.6	518.1	337.3	243.2	205.5	192.4	187.9	185.4	184.0	184.0
35°	885.4	764.5	495.6	303.5	219.9	191.7	184.3	182.6	180.5	179.8	180.5
37.5°	961.5	810.7	475.1	273.9	203.4	181.2	175.5	176.2	174.5	175.5	176.6
40°	1058.1	872.3	457.8	249.5	191.0	173.4	167.8	170.2	169.2	170.2	172.0
42.5°	1180.4	948.8	444.8	230.5	182.2	167.1	161.8	164.2	163.5	165.0	166.7
45°	1316.8	1049.6	438.8	217.1	175.9	162.5	156.8	158.6	157.9	159.0	160.7
47.5°	1447.6	1141.3	444.1	209.4	170.6	158.6	152.6	153.3	153.0	152.6	153.7
50°	1560.3	1214.2	459.3	206.9	167.1	154.7	149.1	149.4	148.4	146.3	147.0
52.5°	1652.3	1272.7	468.4	206.9	165.3	150.5	145.2	145.6	143.5	140.6	141.0
55°	1713.0	1296.4	461.0	206.5	164.6	147.0	141.3	141.7	139.6	136.1	136.4
57.5°	1730.2	1273.4	430.0	202.7	163.9	144.2	137.5	138.2	136.8	132.9	132.9
60°	1681.9	1189.6	373.3	193.9	162.1	142.4	134.6	135.7	135.0	131.1	131.1
62.5°	1555.4	1040.5	305.6	180.5	157.2	140.3	132.2	134.3	136.1	133.9	133.6
65°	1318.6	833.6	248.5	165.7	150.9	136.8	128.6	133.9	137.8	140.6	140.6
67.5°	989.4	596.7	202.7	150.1	141.3	129.7	124.1	129.0	131.8	133.6	134.6
70°	603.1	351.1	159.7	132.2	127.6	119.1	114.9	110.0	106.1	105.4	105.7
72.5°	295.0	200.9	129.7	112.4	108.9	101.2	91.6	89.5	87.8	86.7	86.4
75°	162.5	139.9	107.1	93.4	87.1	77.5	75.4	71.9	71.2	69.8	70.1
77.5°	114.9	110.3	88.5	75.8	66.3	61.3	62.4	59.9	59.9	58.9	58.5
80°	86.4	86.7	68.0	55.3	49.0	47.2	48.3	48.3	47.6	47.2	46.9
82.5°	54.6	61.7	45.8	35.6	34.9	35.2	34.9	34.5	35.2	34.2	33.8
85°	37.7	44.4	27.8	21.1	21.1	20.8	21.5	21.1	21.9	20.8	20.8
87.5°	8.5	19.7	10.2	6.3	6.7	6.3	6.7	7.0	7.8	8.1	8.1
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)