

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: P630929

Luminaire Tested: GWS-SA1E-760-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630929
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-760-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6411.1 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

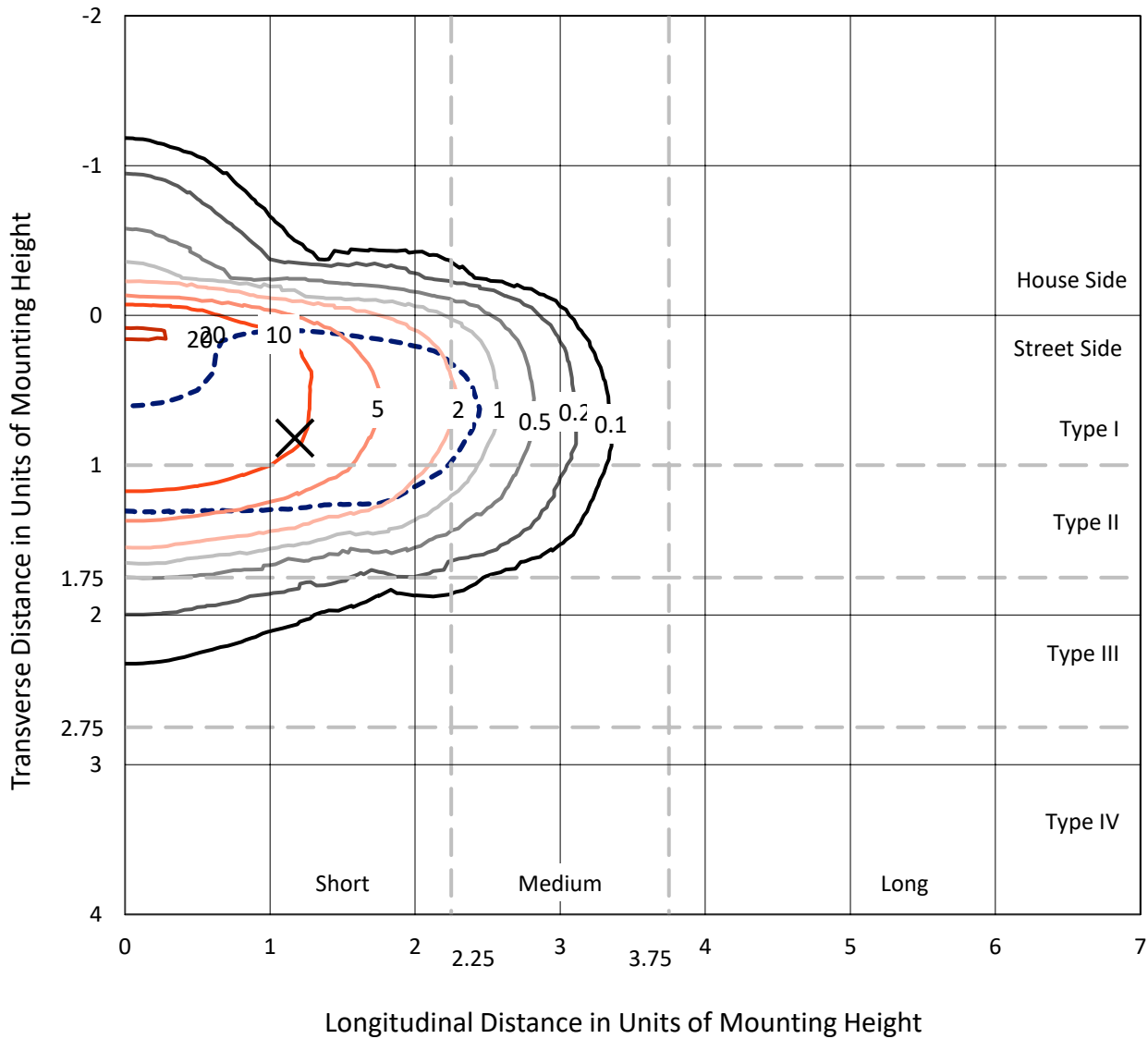
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

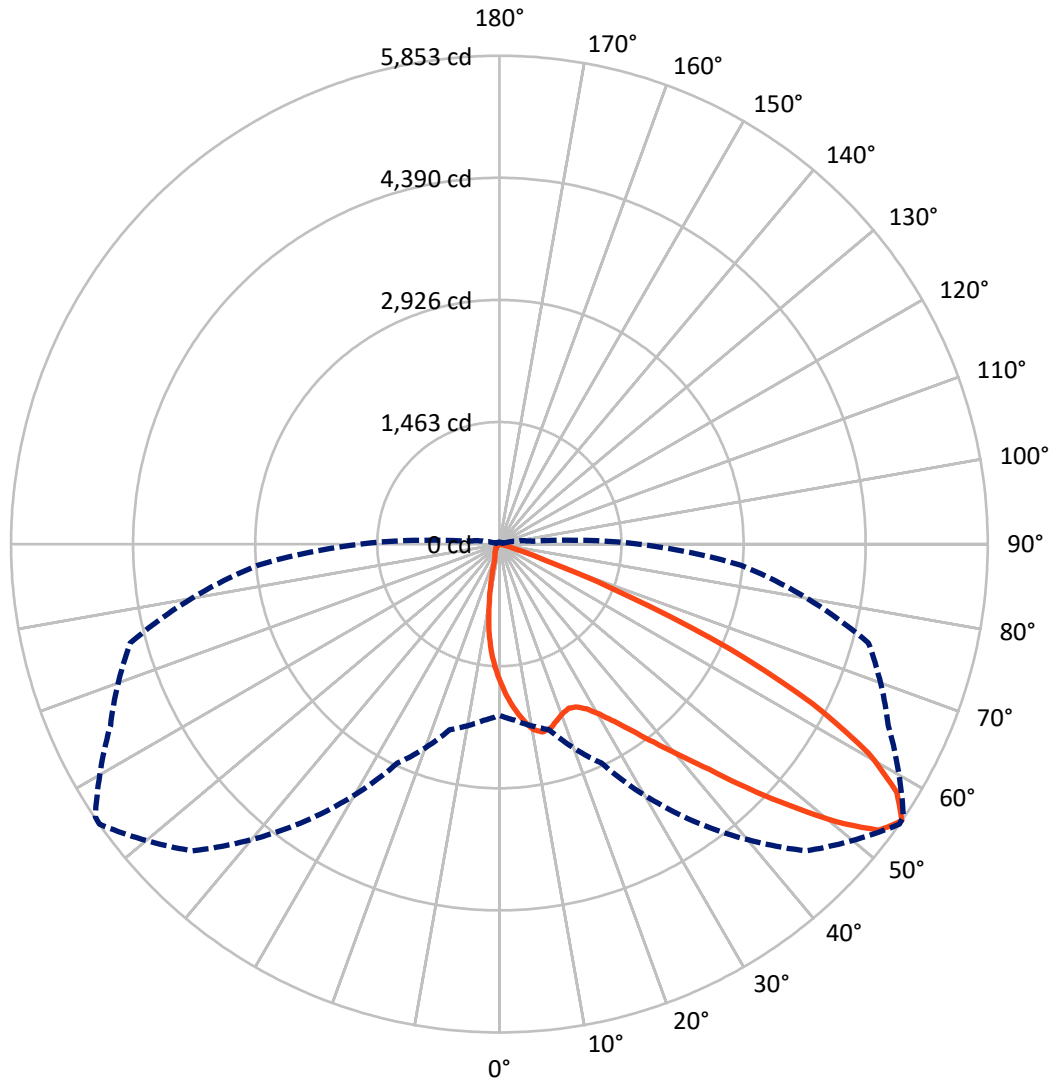
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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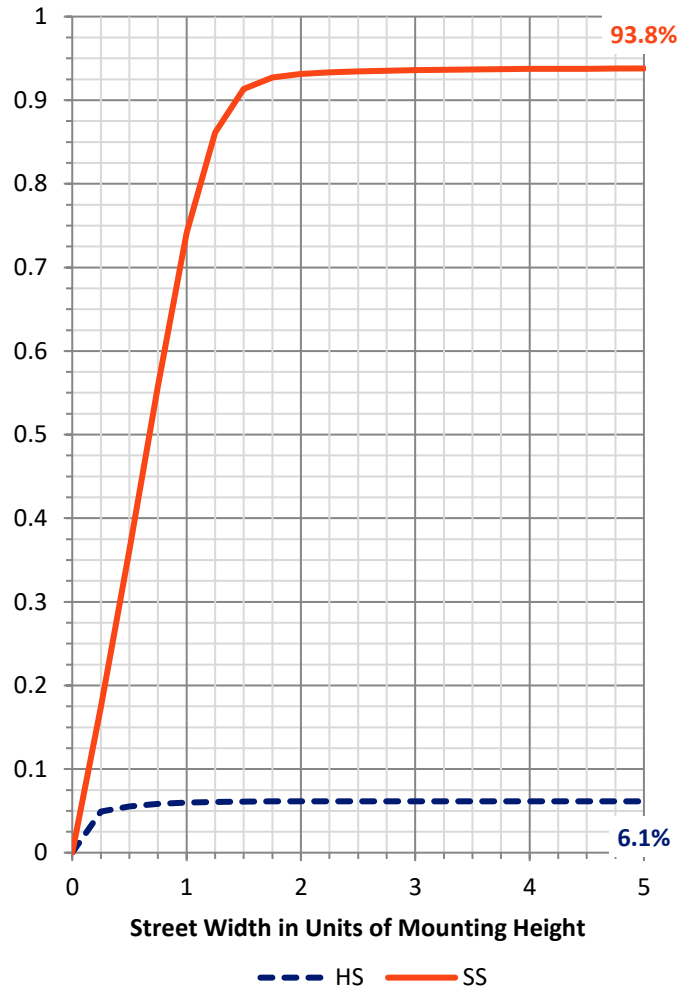
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	395.6	0.0	395.6
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	6015.5	0.0	6015.5
	% Fixture	93.8	0.0	93.8
Total	Lumens	6411.1	0.0	6411.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.4	2.3
10°-20°	352.9	5.5
20°-30°	587.7	9.2
30°-40°	1001.5	15.6
40°-50°	1634.7	25.5
50°-60°	1711.5	26.7
60°-70°	863.2	13.5
70°-80°	109.0	1.7
80°-90°	4.1	0.1
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°	6411.1	100.0
0°-180°	6411.1	100.0

Coefficient of Utilization



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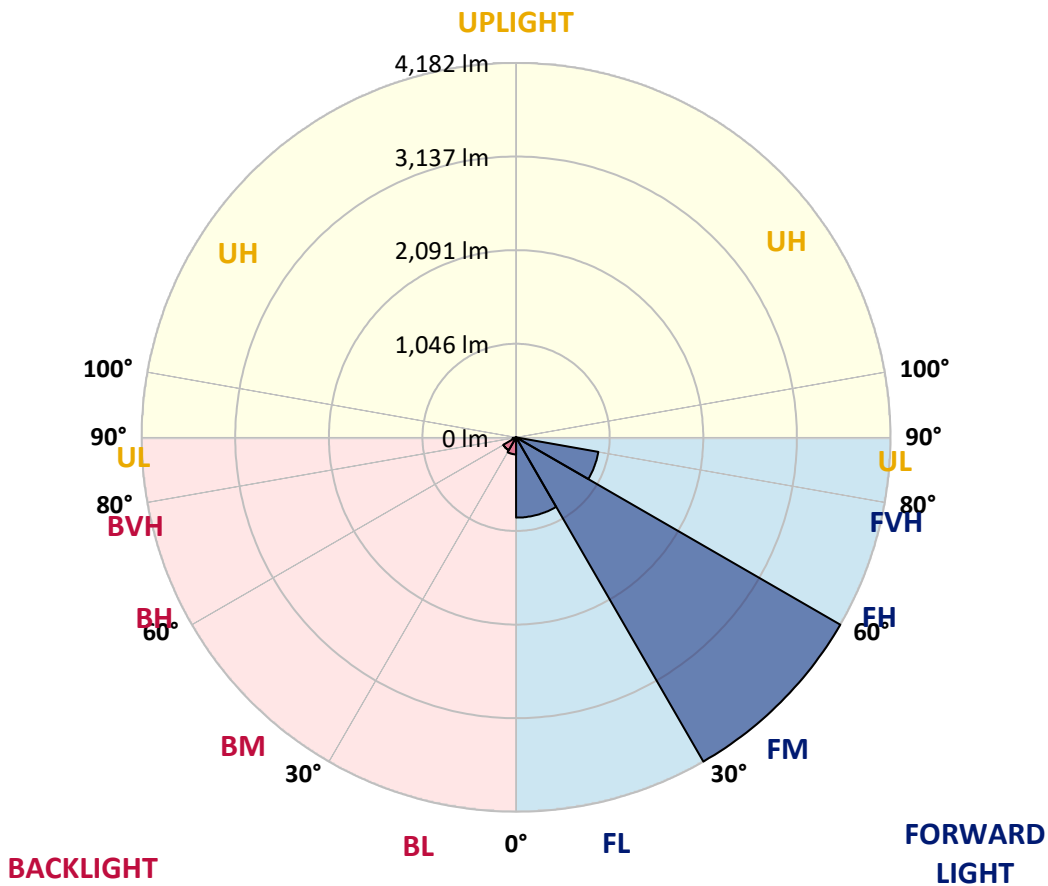
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	896.8	14.0			
FM (30°-60°)	4182.3	65.2			
FH (60°-80°)	932.6	14.5			G1/1800
FVH (80°-90°)	3.8	0.1			G0/10
BL (0°-30°)	190.1	3.0	B1/500		
BM (30°-60°)	165.4	2.6	B0/220		
BH (60°-80°)	39.7	0.6	B0/110		G0/110
BVH (80°-90°)	0.4	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1656.3	1656.3	1656.3	1656.3	1656.3	1656.3	1656.3	1656.3	1656.3	1656.3	1656.3
2.5°	1930.8	1921.5	1935.8	1919.3	1891.4	1867.8	1837.1	1826.2	1776.8	1730.2	1685.3
5°	2165.4	2168.1	2163.8	2140.7	2101.3	2057.4	1995.5	1981.8	1895.8	1807.0	1711.1
7.5°	2223.5	2221.9	2231.2	2239.9	2233.4	2211.4	2144.0	2130.3	2023.5	1890.3	1750.5
10°	2044.3	2045.4	2064.6	2123.8	2197.2	2273.4	2263.0	2255.3	2150.6	1984.5	1794.4
12.5°	1791.1	1800.9	1821.2	1905.6	2030.0	2203.2	2310.6	2318.3	2267.3	2088.1	1845.9
15°	1681.5	1683.7	1700.1	1751.1	1843.7	2057.4	2290.4	2311.7	2364.9	2192.3	1901.8
17.5°	1678.7	1681.5	1688.6	1711.1	1771.3	1942.9	2225.1	2262.4	2438.3	2304.1	1968.6
20°	1781.8	1780.1	1775.2	1763.1	1789.4	1905.1	2164.9	2206.0	2478.4	2413.1	2036.1
22.5°	1968.6	1966.5	1944.5	1894.7	1873.3	1939.6	2135.3	2172.5	2502.5	2510.1	2091.4
25°	2184.0	2199.4	2158.3	2082.6	2030.0	2027.8	2161.6	2187.9	2523.3	2596.2	2129.2
27.5°	2420.3	2425.2	2390.1	2305.2	2229.0	2169.2	2237.7	2257.5	2546.3	2672.9	2150.6
30°	2679.5	2677.8	2637.8	2539.2	2446.6	2360.5	2366.0	2373.7	2600.0	2760.6	2174.2
32.5°	3003.4	3010.5	2939.3	2805.0	2693.7	2574.8	2533.7	2534.8	2697.0	2873.5	2209.8
35°	3443.5	3426.0	3331.7	3140.4	2950.8	2822.5	2752.4	2746.4	2846.7	3025.3	2271.7
37.5°	3862.8	3864.4	3765.8	3555.3	3315.8	3113.6	3014.4	2997.9	3057.1	3235.8	2374.8
40°	4153.8	4159.3	4118.2	4008.0	3754.2	3468.2	3322.4	3305.4	3330.0	3502.1	2509.6
42.5°	4307.8	4323.1	4334.6	4360.4	4168.0	3911.0	3686.8	3685.2	3659.4	3805.8	2665.8
45°	4313.8	4336.8	4407.0	4582.9	4604.8	4416.3	4172.4	4135.7	4036.5	4130.8	2805.5
47.5°	4075.4	4128.6	4277.6	4626.2	4856.4	4918.9	4677.2	4654.7	4376.3	4387.8	2910.2
50°	3519.7	3575.0	3849.6	4404.3	4920.0	5317.9	5231.3	5184.7	4660.2	4557.7	2960.6
52.5°	2949.7	3000.1	3186.5	3875.9	4656.4	5443.4	5698.2	5642.9	4915.0	4616.9	2939.8
55°	2052.5	2119.9	2301.9	2897.1	4049.1	5198.9	5852.8	5841.3	5142.5	4579.6	2907.5
57.5°	1006.2	1073.1	1254.5	1786.1	2999.6	4539.1	5616.6	5677.4	5278.4	4539.6	2881.2
60°	420.4	447.8	510.2	783.7	1678.2	3430.3	5083.3	5167.7	5195.1	4485.4	2878.4
62.5°	243.9	248.3	254.9	325.0	652.7	1966.5	4216.8	4336.8	4757.2	4413.6	2835.1
65°	184.1	185.8	183.1	199.5	269.6	745.9	3046.7	3210.0	3970.7	4133.0	2664.1
67.5°	151.3	151.3	144.1	147.4	169.4	279.5	1682.0	1910.0	2938.2	3396.9	2199.9
70°	120.6	123.3	120.0	115.6	121.1	154.6	598.5	742.1	1711.1	2005.9	1283.0
72.5°	91.5	91.5	97.0	93.7	89.9	97.0	208.8	234.6	686.7	836.3	463.1
75°	70.7	72.9	76.7	73.4	68.0	57.5	100.3	106.3	207.2	194.6	103.6
77.5°	36.2	36.7	48.8	53.7	50.4	35.1	43.8	48.2	67.4	60.3	38.4
80°	21.9	23.0	27.4	42.2	33.4	18.6	18.1	19.2	31.8	27.4	15.9
82.5°	9.3	9.9	15.3	15.3	13.7	7.1	7.1	7.1	15.3	14.2	6.6
85°	0.0	0.0	2.7	2.2	2.2	2.7	2.7	2.7	3.8	5.5	3.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6	1.6
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°	1656.3	1656.3	1656.3	1656.3	1656.3	1656.3	1656.3	1656.3	1656.3	1656.3	1656.3
2.5°	1656.3	1621.2	1574.0	1531.3	1473.7	1441.4	1396.5	1359.7	1328.5	1318.6	1314.3
5°	1656.8	1596.5	1495.7	1394.8	1271.0	1173.4	1073.1	993.6	928.4	907.6	902.1
7.5°	1667.8	1579.0	1415.7	1232.6	1025.4	854.4	701.5	564.5	500.9	479.6	475.2
10°	1682.6	1564.2	1323.0	1038.0	740.4	520.7	368.8	281.2	239.5	216.5	219.8
12.5°	1701.7	1552.1	1220.5	827.6	490.0	286.1	202.8	169.9	161.1	156.7	154.6
15°	1727.5	1537.9	1093.4	618.8	300.3	184.1	156.2	147.4	144.1	141.9	141.4
17.5°	1753.8	1521.4	964.0	435.2	199.5	152.9	140.3	135.9	133.7	132.1	131.5
20°	1781.8	1493.5	812.2	299.8	157.3	137.6	129.3	124.4	121.7	118.9	118.4
22.5°	1793.8	1448.5	667.0	209.9	139.8	126.6	116.2	110.2	106.9	104.7	104.7
25°	1782.3	1375.6	516.8	159.5	127.2	114.5	104.1	97.6	94.8	92.6	92.6
27.5°	1751.6	1281.9	377.1	132.1	113.4	101.9	92.1	86.0	83.9	82.8	82.8
30°	1717.6	1163.5	265.8	113.4	98.1	88.8	80.6	76.7	76.2	75.1	75.1
32.5°	1688.6	1052.8	183.1	99.7	86.6	77.3	71.8	70.2	70.7	69.6	70.2
35°	1672.7	944.3	135.9	88.8	77.3	68.5	65.8	65.8	65.8	65.2	65.2
37.5°	1679.3	837.4	110.7	81.1	69.1	62.5	59.7	60.8	61.9	61.9	61.9
40°	1712.2	742.6	98.1	74.0	61.9	57.0	54.8	56.5	58.1	59.2	59.2
42.5°	1753.8	665.9	88.8	68.0	57.0	51.5	50.4	52.1	53.7	54.8	54.8
45°	1780.1	588.6	79.5	60.3	52.1	45.5	45.5	47.7	47.1	47.7	47.7
47.5°	1792.2	527.2	70.2	52.1	44.4	39.5	40.0	41.1	40.0	41.1	41.1
50°	1762.6	465.3	61.9	43.3	36.7	34.5	35.6	35.1	35.1	37.3	37.3
52.5°	1708.3	419.3	54.8	36.7	31.2	30.7	31.8	29.6	30.1	30.1	29.6
55°	1668.3	393.0	48.8	31.8	26.9	27.4	26.9	23.0	20.8	18.6	18.1
57.5°	1648.6	382.5	44.4	28.5	24.1	24.1	21.9	15.9	12.1	9.3	8.2
60°	1644.2	369.9	40.0	24.7	21.4	20.3	15.9	9.3	6.0	4.4	3.8
62.5°	1602.5	339.3	36.2	19.7	18.6	16.4	9.9	5.5	3.3	2.2	1.6
65°	1466.1	279.0	32.3	15.3	14.2	12.1	6.0	3.3	1.6	0.5	0.0
67.5°	1166.3	197.9	28.5	11.5	9.9	7.7	3.8	2.2	0.5	0.0	0.0
70°	672.5	106.9	23.6	8.2	6.6	4.9	2.7	1.1	0.0	0.0	0.0
72.5°	224.7	49.9	18.1	5.5	4.9	3.8	1.6	0.5	0.0	0.0	0.0
75°	49.3	29.6	12.1	3.8	3.3	2.7	1.1	0.0	0.0	0.0	0.0
77.5°	18.6	20.8	6.0	2.7	2.2	1.6	0.5	0.0	0.0	0.0	0.0
80°	7.1	13.7	2.7	1.6	1.6	0.5	0.0	0.0	0.0	0.0	0.0
82.5°	3.8	5.5	1.6	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.2	2.7	1.1	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	0.5	0.5	0.5	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)