

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: P629556

Luminaire Tested: GWS-SA1B-830-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629556
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-SA1B-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2387.6 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

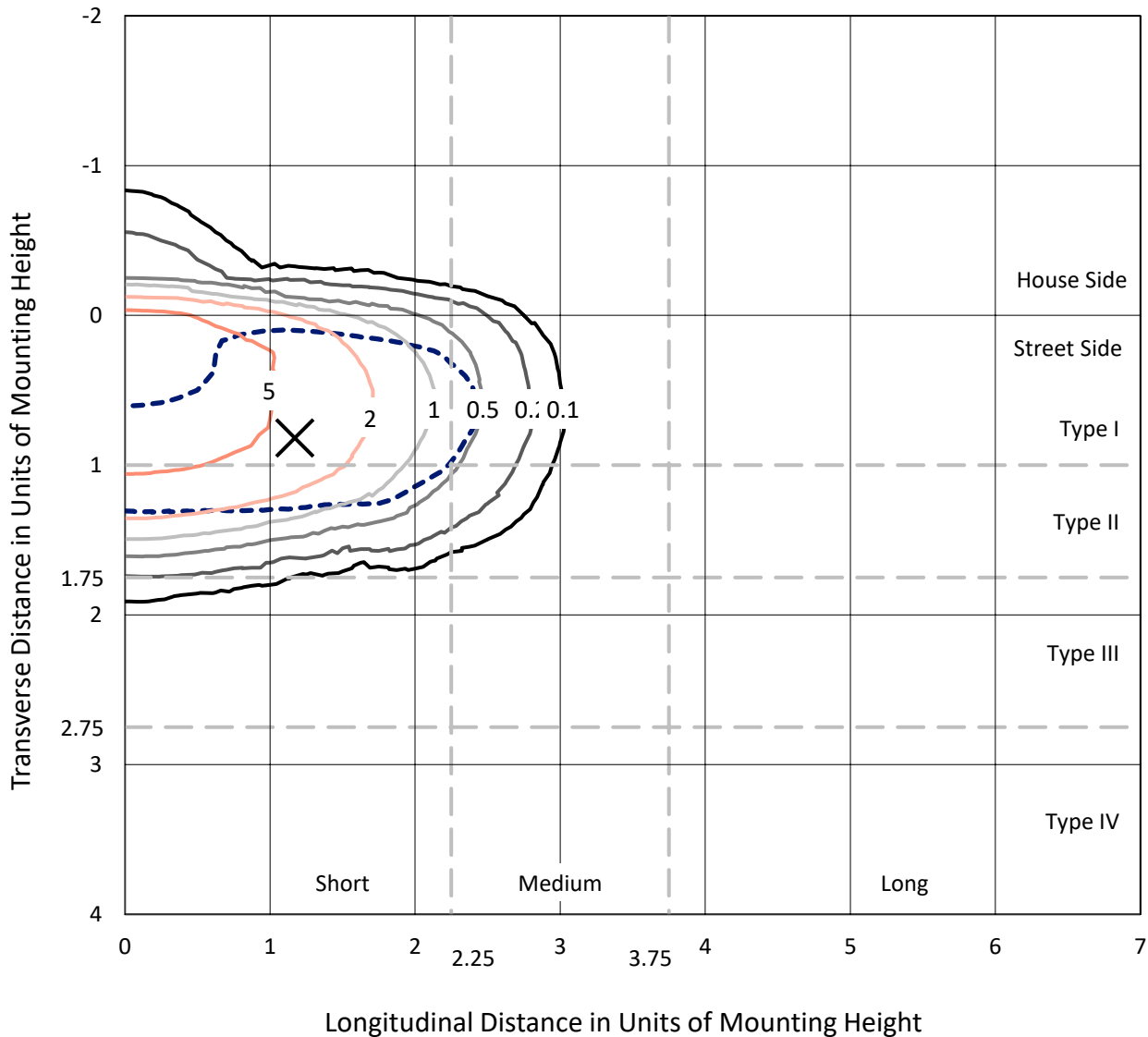
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

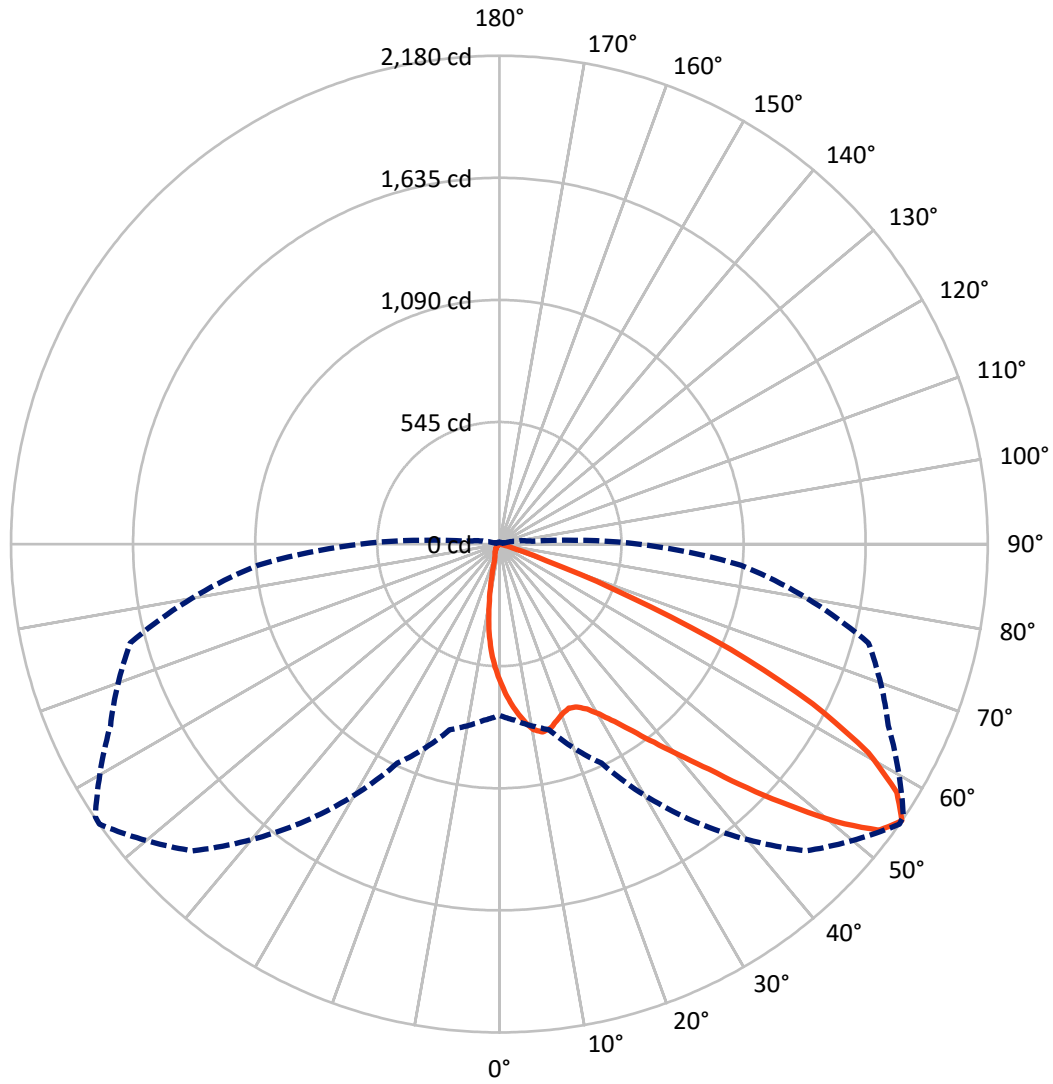
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 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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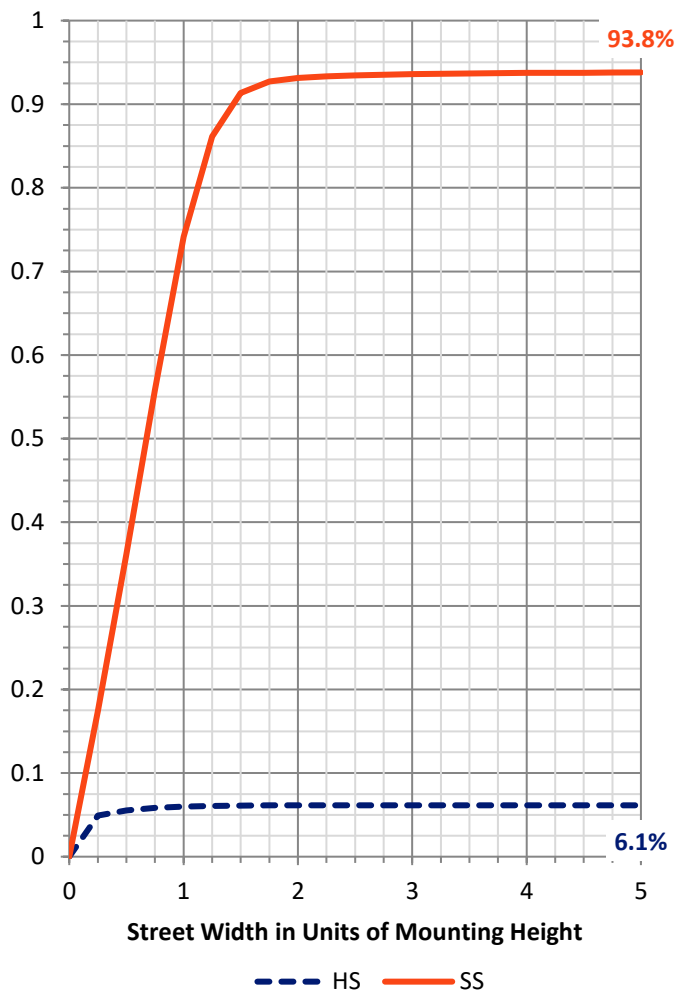
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	147.3	0.0	147.3
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2240.3	0.0	2240.3
	% Fixture	93.8	0.0	93.8
Total	Lumens	2387.6	0.0	2387.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	2.3
10°-20°	131.4	5.5
20°-30°	218.9	9.2
30°-40°	373.0	15.6
40°-50°	608.8	25.5
50°-60°	637.4	26.7
60°-70°	321.5	13.5
70°-80°	40.6	1.7
80°-90°	1.5	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°	2387.6	100.0
0°-180°	2387.6	100.0

Coefficient of Utilization

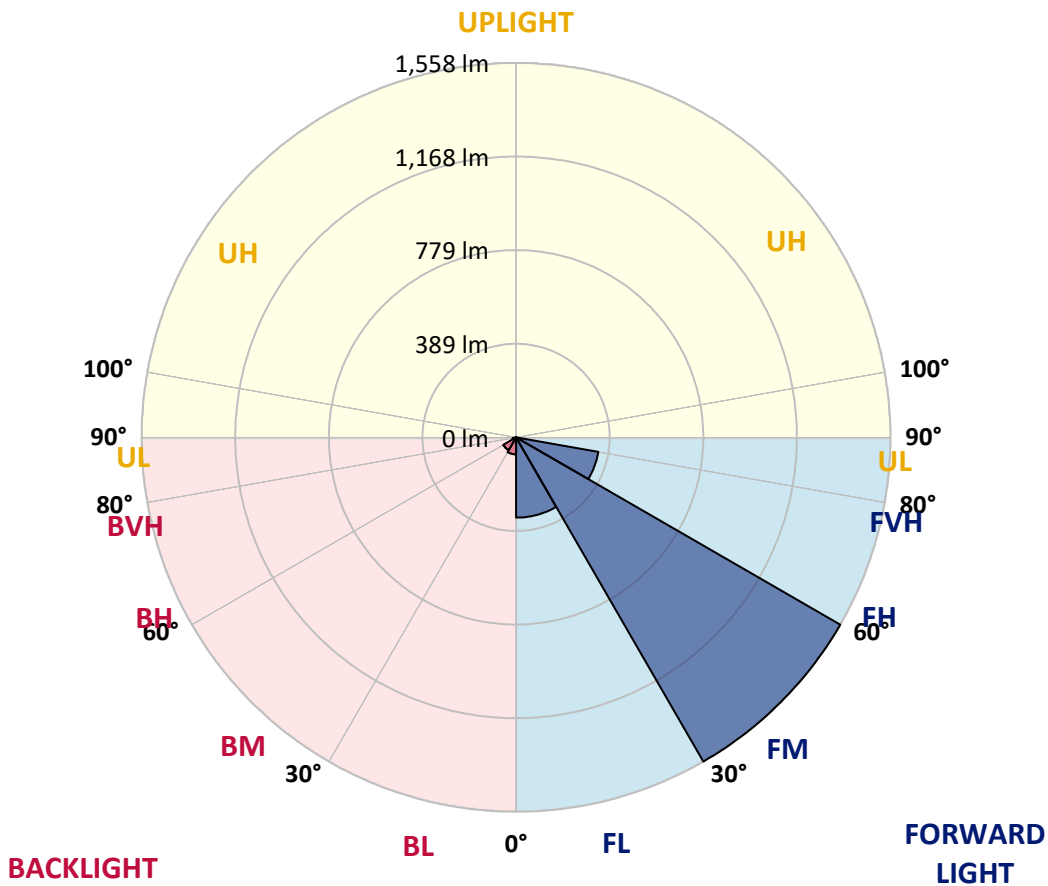


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.0	14.0			
FM (30°-60°)	1557.6	65.2			
FH (60°-80°)	347.3	14.5			G0/660
FVH (80°-90°)	1.4	0.1			G0/10
BL (0°-30°)	70.8	3.0	B0/110		
BM (30°-60°)	61.6	2.6	B0/220		
BH (60°-80°)	14.8	0.6	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8
2.5°	719.1	715.6	720.9	714.8	704.4	695.6	684.2	680.1	661.7	644.4	627.6
5°	806.4	807.5	805.8	797.2	782.6	766.2	743.2	738.1	706.0	672.9	637.2
7.5°	828.1	827.5	830.9	834.2	831.7	823.6	798.5	793.4	753.6	704.0	651.9
10°	761.3	761.7	768.9	790.9	818.3	846.6	842.8	839.9	800.9	739.1	668.3
12.5°	667.0	670.7	678.3	709.7	756.0	820.5	860.5	863.4	844.4	777.7	687.4
15°	626.2	627.0	633.1	652.1	686.6	766.2	853.0	860.9	880.7	816.4	708.3
17.5°	625.2	626.2	628.9	637.2	659.7	723.6	828.7	842.6	908.1	858.1	733.2
20°	663.6	662.9	661.1	656.6	666.4	709.5	806.2	821.5	923.0	898.7	758.3
22.5°	733.2	732.3	724.2	705.6	697.6	722.3	795.2	809.1	932.0	934.8	778.9
25°	813.4	819.1	803.8	775.6	756.0	755.2	805.0	814.8	939.7	966.9	793.0
27.5°	901.3	903.2	890.1	858.5	830.1	807.9	833.4	840.7	948.3	995.4	800.9
30°	997.9	997.3	982.4	945.6	911.1	879.1	881.1	884.0	968.3	1028.1	809.7
32.5°	1118.5	1121.2	1094.6	1044.6	1003.2	958.9	943.6	944.0	1004.4	1070.1	823.0
35°	1282.4	1275.9	1240.8	1169.5	1098.9	1051.2	1025.0	1022.8	1060.1	1126.7	846.0
37.5°	1438.6	1439.2	1402.4	1324.1	1234.9	1159.5	1122.6	1116.5	1138.5	1205.1	884.4
40°	1546.9	1549.0	1533.7	1492.6	1398.1	1291.6	1237.3	1231.0	1240.2	1304.3	934.6
42.5°	1604.3	1610.0	1614.3	1623.9	1552.2	1456.5	1373.0	1372.4	1362.8	1417.3	992.8
45°	1606.5	1615.1	1641.2	1706.8	1714.9	1644.7	1553.9	1540.2	1503.3	1538.4	1044.8
47.5°	1517.8	1537.5	1593.1	1722.9	1808.6	1831.9	1741.9	1733.5	1629.8	1634.1	1083.8
50°	1310.8	1331.4	1433.7	1640.2	1832.3	1980.5	1948.2	1930.9	1735.5	1697.4	1102.6
52.5°	1098.5	1117.3	1186.7	1443.5	1734.1	2027.2	2122.1	2101.5	1830.4	1719.4	1094.8
55°	764.4	789.5	857.3	1078.9	1508.0	1936.2	2179.7	2175.4	1915.2	1705.5	1082.8
57.5°	374.7	399.6	467.2	665.2	1117.1	1690.4	2091.7	2114.4	1965.8	1690.6	1073.0
60°	156.6	166.8	190.0	291.9	625.0	1277.5	1893.1	1924.5	1934.7	1670.4	1072.0
62.5°	90.8	92.5	94.9	121.0	243.1	732.3	1570.4	1615.1	1771.7	1643.7	1055.9
65°	68.6	69.2	68.2	74.3	100.4	277.8	1134.6	1195.5	1478.8	1539.2	992.2
67.5°	56.3	56.3	53.7	54.9	63.1	104.1	626.4	711.3	1094.2	1265.1	819.3
70°	44.9	45.9	44.7	43.1	45.1	57.6	222.9	276.4	637.2	747.0	477.8
72.5°	34.1	34.1	36.1	34.9	33.5	36.1	77.8	87.4	255.7	311.5	172.5
75°	26.3	27.1	28.6	27.4	25.3	21.4	37.4	39.6	77.2	72.5	38.6
77.5°	13.5	13.7	18.2	20.0	18.8	13.1	16.3	18.0	25.1	22.5	14.3
80°	8.2	8.6	10.2	15.7	12.5	6.9	6.7	7.1	11.8	10.2	5.9
82.5°	3.5	3.7	5.7	5.7	5.1	2.7	2.7	2.7	5.7	5.3	2.4
85°	0.0	0.0	1.0	0.8	0.8	1.0	1.0	1.0	1.4	2.0	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.6
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°	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8	616.8
2.5°	616.8	603.8	586.2	570.3	548.8	536.8	520.1	506.4	494.8	491.1	489.5
5°	617.0	594.6	557.0	519.5	473.3	437.0	399.6	370.0	345.8	338.0	336.0
7.5°	621.1	588.0	527.2	459.0	381.9	318.2	261.3	210.2	186.6	178.6	177.0
10°	626.6	582.5	492.7	386.6	275.8	193.9	137.4	104.7	89.2	80.6	81.8
12.5°	633.8	578.0	454.5	308.2	182.5	106.5	75.5	63.3	60.0	58.4	57.6
15°	643.4	572.7	407.2	230.4	111.9	68.6	58.2	54.9	53.7	52.9	52.7
17.5°	653.1	566.6	359.0	162.1	74.3	56.9	52.3	50.6	49.8	49.2	49.0
20°	663.6	556.2	302.5	111.6	58.6	51.2	48.2	46.3	45.3	44.3	44.1
22.5°	668.0	539.5	248.4	78.2	52.0	47.1	43.3	41.0	39.8	39.0	39.0
25°	663.8	512.3	192.5	59.4	47.4	42.7	38.8	36.3	35.3	34.5	34.5
27.5°	652.3	477.4	140.4	49.2	42.3	38.0	34.3	32.0	31.2	30.8	30.8
30°	639.7	433.3	99.0	42.3	36.5	33.1	30.0	28.6	28.4	28.0	28.0
32.5°	628.9	392.1	68.2	37.1	32.2	28.8	26.7	26.1	26.3	25.9	26.1
35°	622.9	351.7	50.6	33.1	28.8	25.5	24.5	24.5	24.5	24.3	24.3
37.5°	625.4	311.9	41.2	30.2	25.7	23.3	22.2	22.7	23.1	23.1	23.1
40°	637.6	276.6	36.5	27.6	23.1	21.2	20.4	21.0	21.6	22.0	22.0
42.5°	653.1	248.0	33.1	25.3	21.2	19.2	18.8	19.4	20.0	20.4	20.4
45°	662.9	219.2	29.6	22.5	19.4	16.9	16.9	17.8	17.6	17.8	17.8
47.5°	667.4	196.4	26.1	19.4	16.5	14.7	14.9	15.3	14.9	15.3	15.3
50°	656.4	173.3	23.1	16.1	13.7	12.9	13.3	13.1	13.1	13.9	13.9
52.5°	636.2	156.1	20.4	13.7	11.6	11.4	11.8	11.0	11.2	11.2	11.0
55°	621.3	146.3	18.2	11.8	10.0	10.2	10.0	8.6	7.8	6.9	6.7
57.5°	614.0	142.5	16.5	10.6	9.0	9.0	8.2	5.9	4.5	3.5	3.1
60°	612.3	137.8	14.9	9.2	8.0	7.6	5.9	3.5	2.2	1.6	1.4
62.5°	596.8	126.3	13.5	7.3	6.9	6.1	3.7	2.0	1.2	0.8	0.6
65°	546.0	103.9	12.0	5.7	5.3	4.5	2.2	1.2	0.6	0.2	0.0
67.5°	434.3	73.7	10.6	4.3	3.7	2.9	1.4	0.8	0.2	0.0	0.0
70°	250.4	39.8	8.8	3.1	2.4	1.8	1.0	0.4	0.0	0.0	0.0
72.5°	83.7	18.6	6.7	2.0	1.8	1.4	0.6	0.2	0.0	0.0	0.0
75°	18.4	11.0	4.5	1.4	1.2	1.0	0.4	0.0	0.0	0.0	0.0
77.5°	6.9	7.8	2.2	1.0	0.8	0.6	0.2	0.0	0.0	0.0	0.0
80°	2.7	5.1	1.0	0.6	0.6	0.2	0.0	0.0	0.0	0.0	0.0
82.5°	1.4	2.0	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.8	1.0	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.2	0.2	0.2	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)