

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: P629226

Luminaire Tested: GWS-SA1B-730-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629226
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-730-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, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2736.9 lumens
Efficiency: N/A
Efficacy: 109.5 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

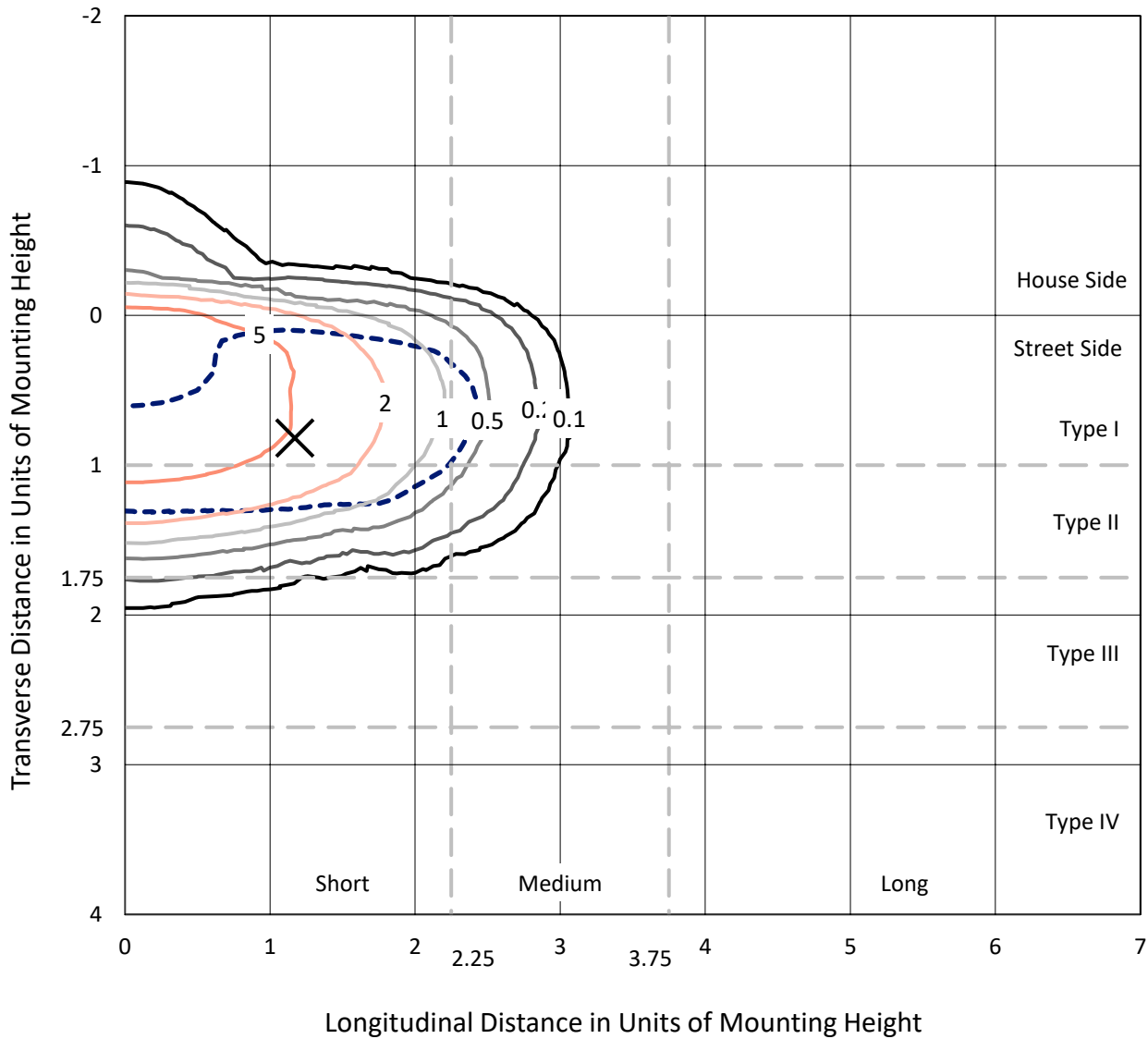
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

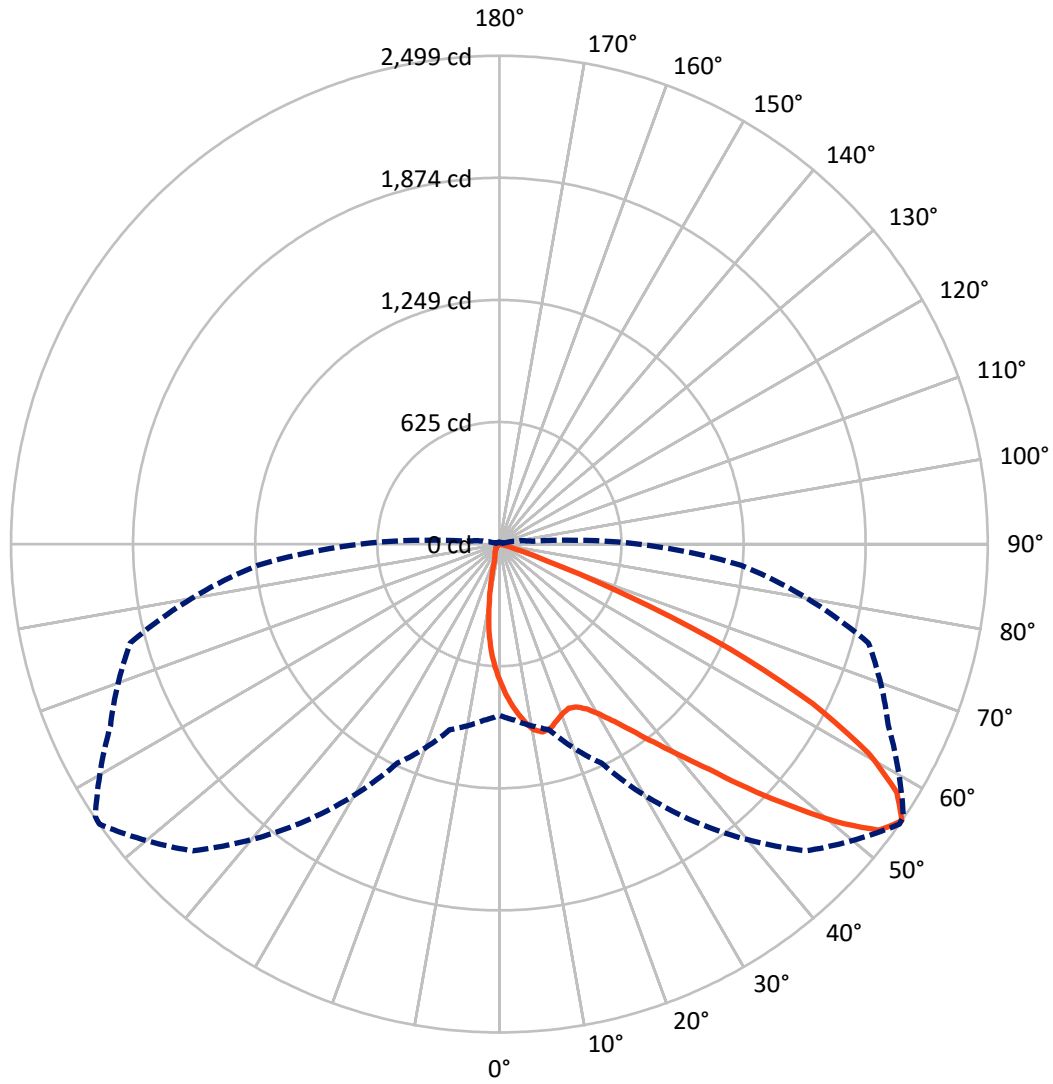
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 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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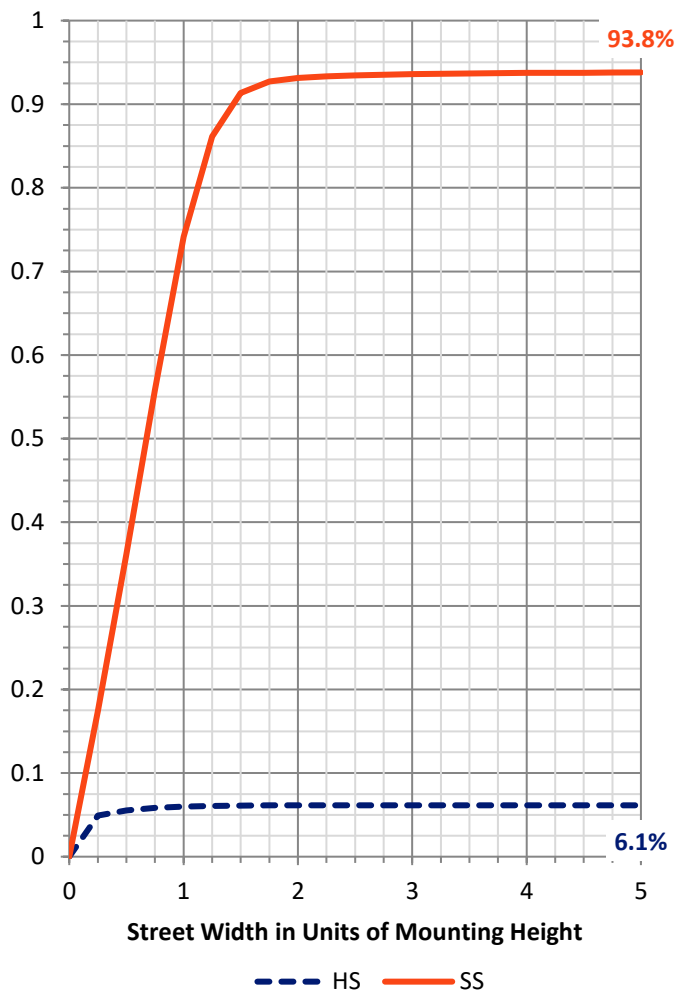
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	168.9	0.0	168.9
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2568.0	0.0	2568.0
	% Fixture	93.8	0.0	93.8
Total	Lumens	2736.9	0.0	2736.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	2.3
10°-20°	150.6	5.5
20°-30°	250.9	9.2
30°-40°	427.5	15.6
40°-50°	697.9	25.5
50°-60°	730.6	26.7
60°-70°	368.5	13.5
70°-80°	46.5	1.7
80°-90°	1.8	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°	2736.9	100.0
0°-180°	2736.9	100.0

Coefficient of Utilization

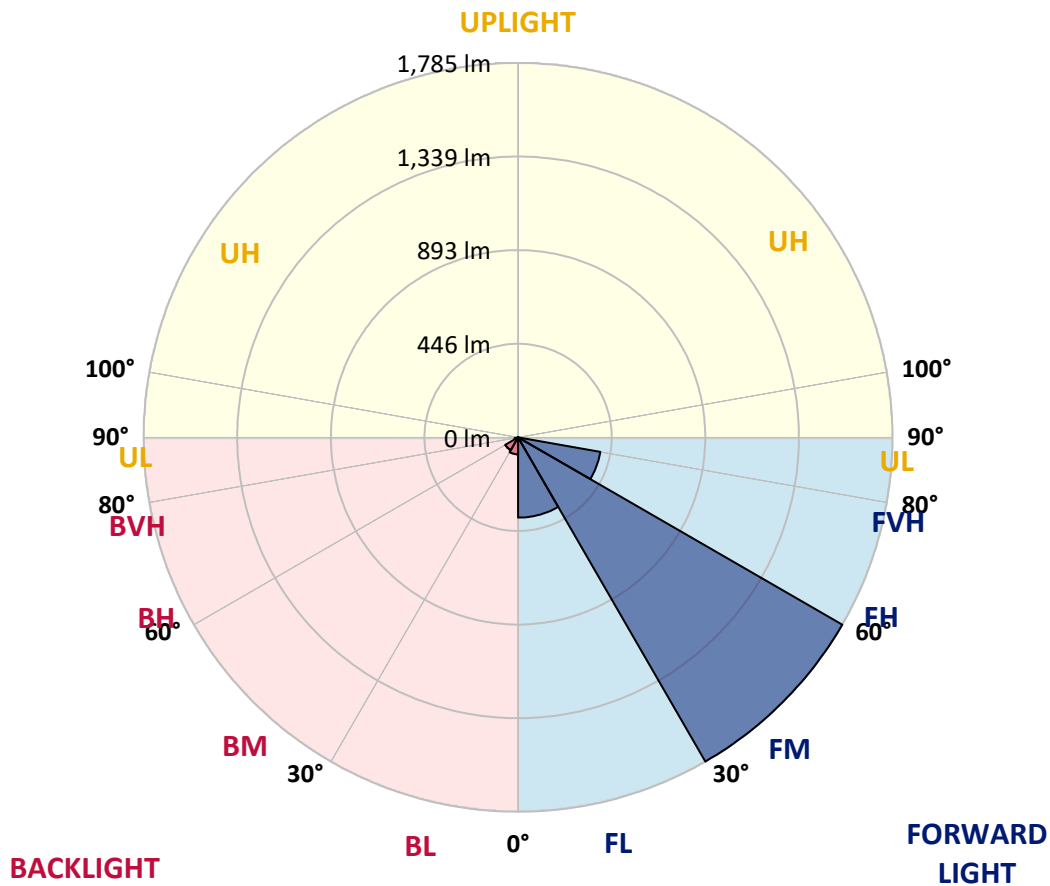


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.9	14.0			
FM (30°-60°)	1785.4	65.2			
FH (60°-80°)	398.1	14.5			G0/660
FVH (80°-90°)	1.6	0.1			G0/10
BL (0°-30°)	81.2	3.0	B0/110		
BM (30°-60°)	70.6	2.6	B0/220		
BH (60°-80°)	16.9	0.6	B0/110		G0/110
BVH (80°-90°)	0.2	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°	707.1	707.1	707.1	707.1	707.1	707.1	707.1	707.1	707.1	707.1	707.1
2.5°	824.3	820.3	826.4	819.4	807.4	797.4	784.3	779.6	758.5	738.6	719.5
5°	924.4	925.6	923.7	913.9	897.0	878.3	851.9	846.0	809.3	771.4	730.5
7.5°	949.2	948.5	952.5	956.2	953.4	944.1	915.3	909.4	863.8	807.0	747.3
10°	872.7	873.2	881.4	906.6	938.0	970.5	966.1	962.8	918.1	847.2	766.0
12.5°	764.6	768.8	777.5	813.5	866.6	940.6	986.4	989.7	967.9	891.4	788.0
15°	717.8	718.8	725.8	747.5	787.1	878.3	977.8	986.9	1009.6	935.9	811.9
17.5°	716.6	717.8	720.9	730.5	756.2	829.4	949.9	965.8	1040.9	983.6	840.4
20°	760.6	759.9	757.8	752.7	763.9	813.3	924.2	941.7	1058.0	1030.2	869.2
22.5°	840.4	839.5	830.1	808.8	799.7	828.0	911.5	927.5	1068.3	1071.6	892.8
25°	932.4	938.9	921.4	889.1	866.6	865.7	922.8	934.0	1077.2	1108.3	909.0
27.5°	1033.2	1035.3	1020.3	984.1	951.6	926.0	955.3	963.7	1087.0	1141.1	918.1
30°	1143.9	1143.2	1126.1	1084.0	1044.4	1007.7	1010.0	1013.3	1109.9	1178.5	928.2
32.5°	1282.2	1285.2	1254.8	1197.5	1150.0	1099.2	1081.6	1082.1	1151.4	1226.7	943.4
35°	1470.0	1462.5	1422.3	1340.6	1259.7	1204.9	1175.0	1172.4	1215.2	1291.5	969.8
37.5°	1649.0	1649.7	1607.6	1517.8	1415.5	1329.2	1286.8	1279.8	1305.1	1381.4	1013.8
40°	1773.3	1775.6	1758.0	1711.0	1602.7	1480.6	1418.3	1411.1	1421.6	1495.1	1071.3
42.5°	1839.0	1845.5	1850.5	1861.5	1779.3	1669.6	1573.9	1573.2	1562.2	1624.7	1138.0
45°	1841.6	1851.4	1881.3	1956.4	1965.8	1885.3	1781.2	1765.5	1723.2	1763.4	1197.7
47.5°	1739.8	1762.5	1826.1	1974.9	2073.2	2099.9	1996.7	1987.1	1868.2	1873.2	1242.4
50°	1502.5	1526.2	1643.4	1880.2	2100.3	2270.2	2233.2	2213.3	1989.4	1945.7	1263.9
52.5°	1259.2	1280.7	1360.3	1654.6	1987.8	2323.8	2432.6	2408.9	2098.2	1971.0	1255.0
55°	876.2	905.0	982.7	1236.8	1728.6	2219.4	2498.6	2493.6	2195.3	1955.0	1241.2
57.5°	429.6	458.1	535.6	762.5	1280.5	1937.7	2397.7	2423.7	2253.4	1938.0	1230.0
60°	179.5	191.2	217.8	334.6	716.4	1464.4	2170.1	2206.1	2217.8	1914.8	1228.8
62.5°	104.1	106.0	108.8	138.7	278.7	839.5	1800.2	1851.4	2030.9	1884.2	1210.3
65°	78.6	79.3	78.1	85.2	115.1	318.4	1300.6	1370.4	1695.1	1764.4	1137.3
67.5°	64.6	64.6	61.5	62.9	72.3	119.3	718.1	815.4	1254.3	1450.1	939.2
70°	51.5	52.6	51.2	49.4	51.7	66.0	255.5	316.8	730.5	856.3	547.7
72.5°	39.1	39.1	41.4	40.0	38.4	41.4	89.1	100.1	293.2	357.0	197.7
75°	30.2	31.1	32.8	31.4	29.0	24.6	42.8	45.4	88.4	83.1	44.2
77.5°	15.4	15.7	20.8	22.9	21.5	15.0	18.7	20.6	28.8	25.7	16.4
80°	9.4	9.8	11.7	18.0	14.3	8.0	7.7	8.2	13.6	11.7	6.8
82.5°	4.0	4.2	6.6	6.6	5.8	3.0	3.0	3.0	6.6	6.1	2.8
85°	0.0	0.0	1.2	0.9	0.9	1.2	1.2	1.2	1.6	2.3	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.7
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°	707.1	707.1	707.1	707.1	707.1	707.1	707.1	707.1	707.1	707.1	707.1
2.5°	707.1	692.1	672.0	653.7	629.1	615.3	596.2	580.5	567.1	562.9	561.1
5°	707.3	681.6	638.5	595.5	542.6	500.9	458.1	424.2	396.3	387.5	385.1
7.5°	712.0	674.1	604.3	526.2	437.8	364.8	299.5	241.0	213.8	204.7	202.9
10°	718.3	667.7	564.8	443.1	316.1	222.3	157.5	120.0	102.2	92.4	93.8
12.5°	726.5	662.6	521.0	353.3	209.2	122.1	86.6	72.5	68.8	66.9	66.0
15°	737.5	656.5	466.8	264.2	128.2	78.6	66.7	62.9	61.5	60.6	60.4
17.5°	748.7	649.5	411.6	185.8	85.2	65.3	59.9	58.0	57.1	56.4	56.2
20°	760.6	637.6	346.7	128.0	67.1	58.7	55.2	53.1	51.9	50.8	50.5
22.5°	765.8	618.4	284.7	89.6	59.7	54.0	49.6	47.0	45.6	44.7	44.7
25°	760.9	587.3	220.6	68.1	54.3	48.9	44.5	41.6	40.5	39.5	39.5
27.5°	747.8	547.3	161.0	56.4	48.4	43.5	39.3	36.7	35.8	35.3	35.3
30°	733.3	496.7	113.5	48.4	41.9	37.9	34.4	32.8	32.5	32.1	32.1
32.5°	720.9	449.5	78.1	42.6	37.0	33.0	30.6	29.9	30.2	29.7	29.9
35°	714.1	403.1	58.0	37.9	33.0	29.2	28.1	28.1	28.1	27.8	27.8
37.5°	716.9	357.5	47.3	34.6	29.5	26.7	25.5	26.0	26.4	26.4	26.4
40°	730.9	317.0	41.9	31.6	26.4	24.3	23.4	24.1	24.8	25.3	25.3
42.5°	748.7	284.3	37.9	29.0	24.3	22.0	21.5	22.2	22.9	23.4	23.4
45°	759.9	251.3	33.9	25.7	22.2	19.4	19.4	20.4	20.1	20.4	20.4
47.5°	765.1	225.1	29.9	22.2	19.0	16.8	17.1	17.5	17.1	17.5	17.5
50°	752.4	198.6	26.4	18.5	15.7	14.7	15.2	15.0	15.0	15.9	15.9
52.5°	729.3	179.0	23.4	15.7	13.3	13.1	13.6	12.6	12.9	12.9	12.6
55°	712.2	167.8	20.8	13.6	11.5	11.7	11.5	9.8	8.9	8.0	7.7
57.5°	703.8	163.3	19.0	12.2	10.3	10.3	9.4	6.8	5.1	4.0	3.5
60°	701.9	157.9	17.1	10.5	9.1	8.7	6.8	4.0	2.6	1.9	1.6
62.5°	684.1	144.8	15.4	8.4	8.0	7.0	4.2	2.3	1.4	0.9	0.7
65°	625.9	119.1	13.8	6.6	6.1	5.1	2.6	1.4	0.7	0.2	0.0
67.5°	497.9	84.5	12.2	4.9	4.2	3.3	1.6	0.9	0.2	0.0	0.0
70°	287.1	45.6	10.1	3.5	2.8	2.1	1.2	0.5	0.0	0.0	0.0
72.5°	95.9	21.3	7.7	2.3	2.1	1.6	0.7	0.2	0.0	0.0	0.0
75°	21.1	12.6	5.1	1.6	1.4	1.2	0.5	0.0	0.0	0.0	0.0
77.5°	8.0	8.9	2.6	1.2	0.9	0.7	0.2	0.0	0.0	0.0	0.0
80°	3.0	5.8	1.2	0.7	0.7	0.2	0.0	0.0	0.0	0.0	0.0
82.5°	1.6	2.3	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.9	1.2	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	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)