

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: P630246

Luminaire Tested: GWS-SA1D-730-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3409.8 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

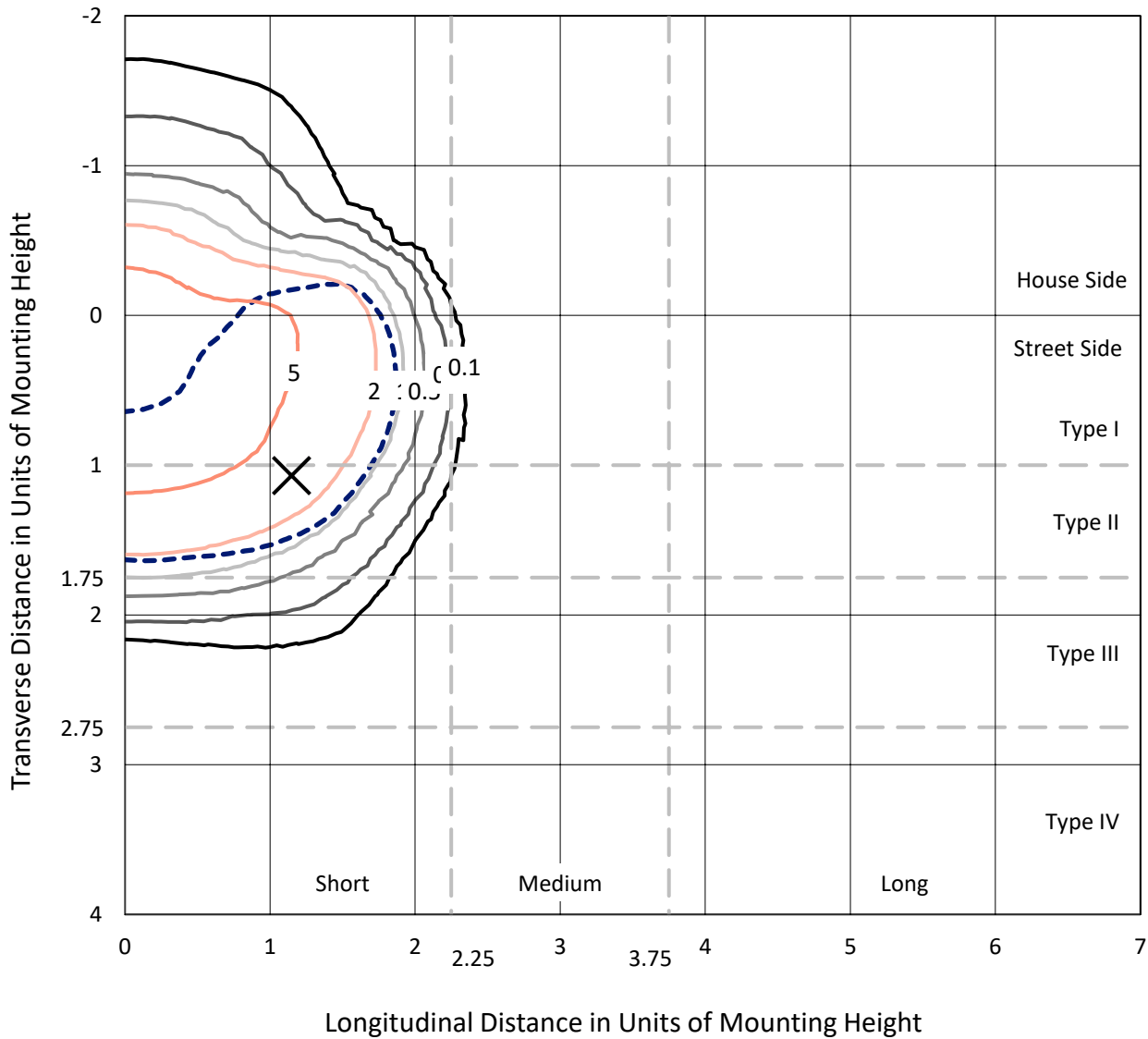
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

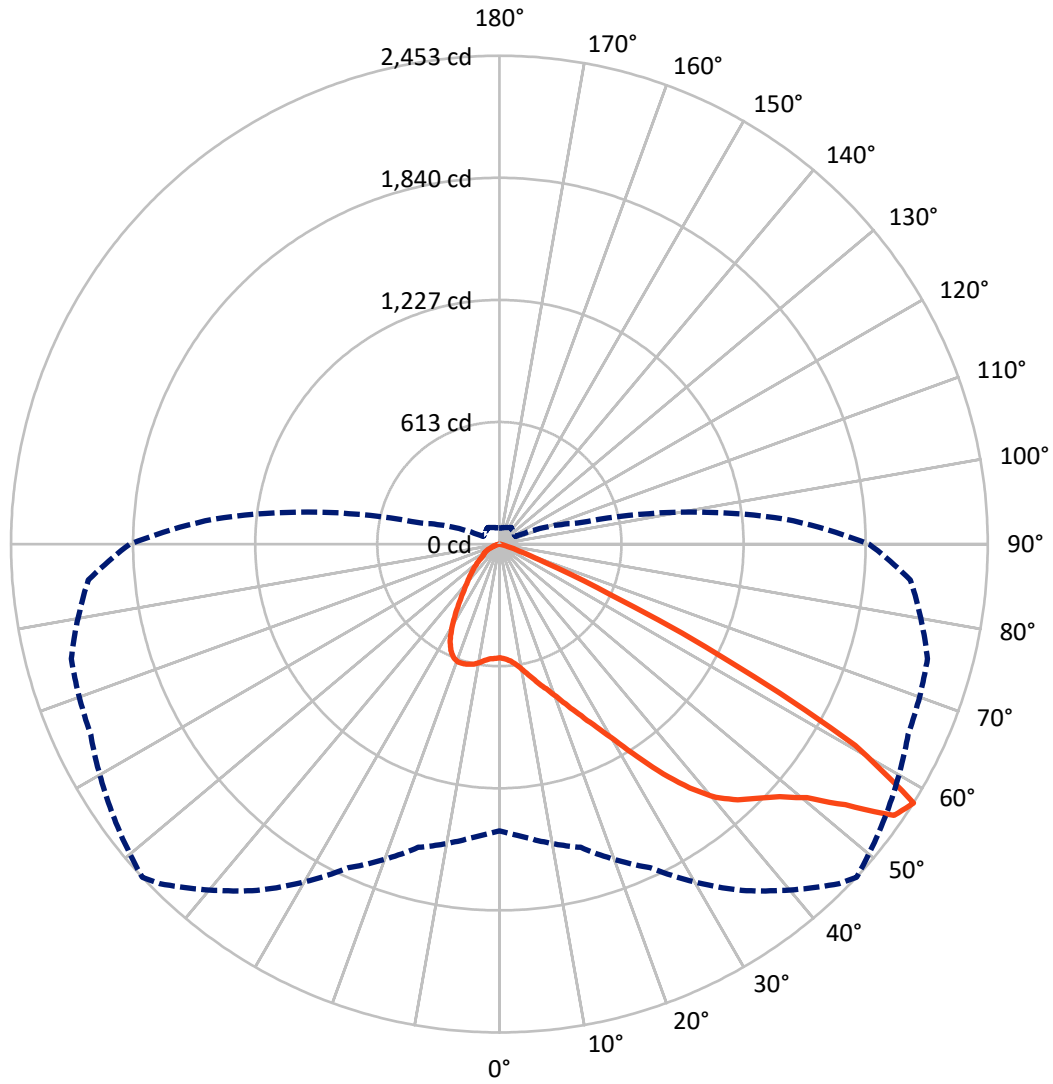
✕ Max cd
 - - - 1/2 Max cd



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 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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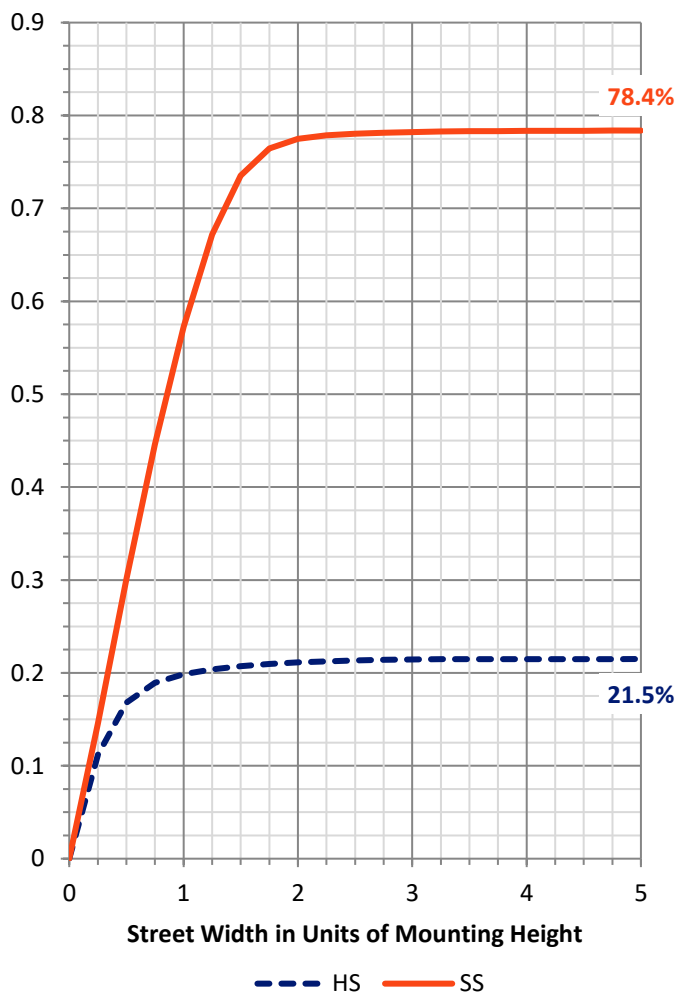
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	739.8	0.0	739.8
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2670.1	0.0	2670.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	3409.8	0.0	3409.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	1.7
10°-20°	191.6	5.6
20°-30°	355.8	10.4
30°-40°	569.6	16.7
40°-50°	832.5	24.4
50°-60°	1027.5	30.1
60°-70°	343.3	10.1
70°-80°	32.0	0.9
80°-90°	0.7	0.0
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°	3409.8	100.0
0°-180°	3409.8	100.0

Coefficient of Utilization



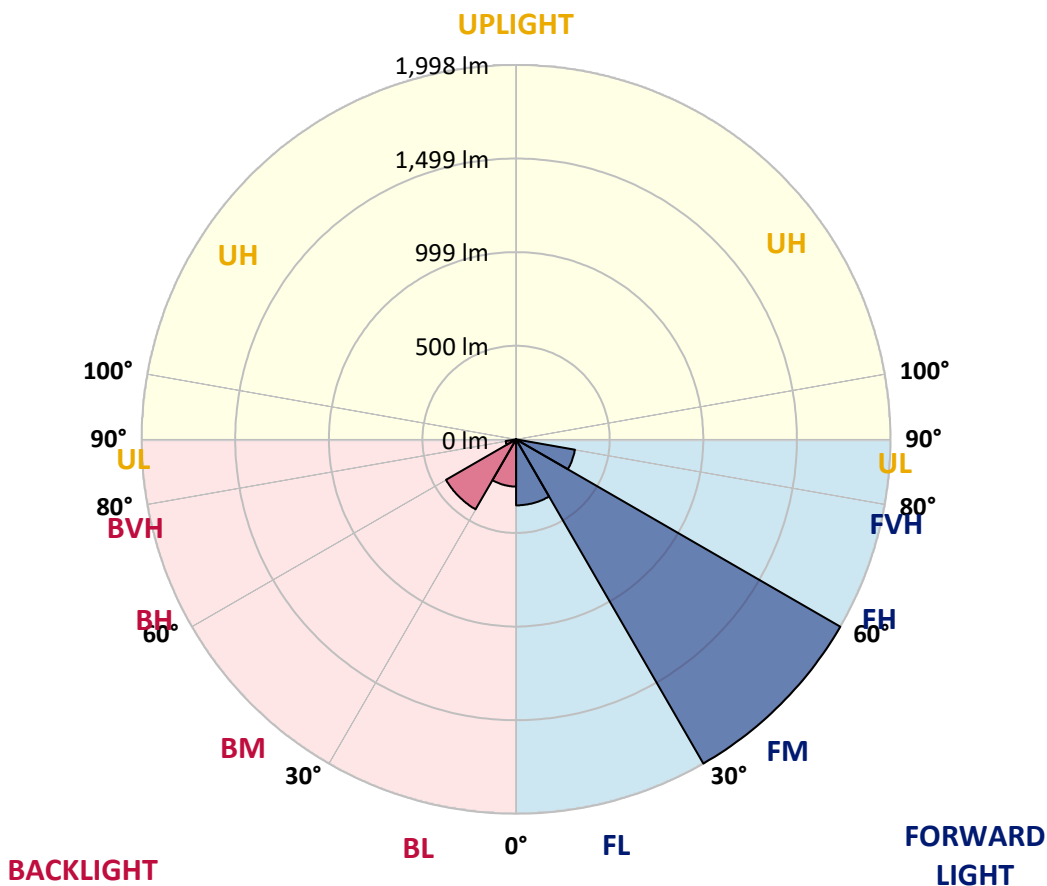
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	352.4	10.3			
FM (30°-60°)	1998.1	58.6			
FH (60°-80°)	319.1	9.4			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	251.8	7.4	B1/500		
BM (30°-60°)	431.5	12.7	B1/1000		
BH (60°-80°)	56.2	1.6	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: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	570.8	570.8	570.8	570.8	570.8	570.8	570.8	570.8	570.8	570.8	570.8
2.5°	576.7	576.3	576.0	578.3	577.5	577.1	577.9	577.9	577.9	575.6	570.8
5°	590.6	590.6	590.2	592.6	590.6	589.4	589.8	589.8	588.2	583.9	577.9
7.5°	612.4	611.6	610.8	613.2	611.2	610.8	611.6	609.2	606.4	599.3	591.0
10°	643.6	643.6	642.5	644.8	643.2	642.5	642.5	640.9	635.7	624.6	612.4
12.5°	686.8	684.8	682.0	680.1	679.3	678.9	679.3	676.9	671.3	657.1	640.1
15°	733.9	732.3	728.0	724.8	720.4	719.6	722.0	720.0	714.5	695.1	671.0
17.5°	793.3	795.2	784.2	777.4	764.8	764.0	764.8	767.9	764.0	739.0	703.8
20°	843.9	845.5	837.2	832.5	821.0	815.8	817.4	822.6	818.2	788.9	739.8
22.5°	898.2	900.1	891.4	881.5	876.4	876.4	882.3	889.5	883.5	845.1	781.0
25°	963.1	964.7	957.5	944.5	935.4	946.9	955.6	974.6	964.7	912.4	829.7
27.5°	1037.5	1037.9	1027.6	1014.1	1009.4	1030.8	1039.5	1068.8	1064.8	988.0	881.1
30°	1117.1	1117.5	1115.1	1106.0	1101.6	1129.7	1141.6	1184.0	1181.2	1081.8	951.2
32.5°	1199.8	1199.8	1204.2	1203.4	1208.5	1254.4	1273.4	1321.7	1318.9	1196.6	1038.3
35°	1282.9	1283.3	1290.8	1309.8	1331.2	1392.2	1417.1	1475.7	1469.4	1334.0	1149.5
37.5°	1377.5	1373.6	1383.9	1412.4	1459.9	1530.3	1554.1	1609.9	1602.8	1474.5	1294.8
40°	1491.5	1484.4	1484.4	1517.7	1571.5	1652.6	1672.8	1700.5	1676.4	1588.1	1437.3
42.5°	1617.4	1610.7	1602.0	1631.3	1676.4	1739.7	1756.4	1748.8	1729.0	1695.4	1599.6
45°	1744.9	1734.6	1740.5	1758.3	1784.5	1814.5	1820.9	1786.0	1776.9	1786.4	1733.8
47.5°	1841.9	1834.7	1849.4	1874.3	1895.7	1900.0	1895.7	1847.4	1846.6	1880.2	1826.8
50°	1874.3	1875.1	1915.5	1970.1	2004.5	2008.1	2002.2	1946.8	1939.2	1949.1	1877.1
52.5°	1877.5	1880.6	1939.6	2043.7	2137.5	2180.3	2175.5	2115.8	2042.1	2031.5	1953.1
55°	1801.1	1819.7	1902.0	2054.0	2253.5	2390.1	2405.9	2291.5	2182.3	2173.2	2116.6
57.5°	1439.7	1477.7	1577.0	1793.6	2124.1	2411.9	2453.0	2370.7	2265.0	2226.2	2072.6
60°	860.6	907.7	1003.1	1268.7	1616.6	1982.4	2053.2	2064.7	2016.0	1904.0	1590.1
62.5°	369.3	365.4	482.9	686.4	961.5	1260.0	1292.0	1341.9	1384.3	1267.1	965.1
65°	126.7	137.8	191.6	309.5	481.3	585.1	613.6	658.3	718.5	593.0	353.5
67.5°	78.4	83.1	110.4	182.9	259.7	255.7	243.0	235.9	229.6	157.1	97.0
70°	57.0	61.0	77.6	125.9	174.6	122.7	106.5	86.3	95.8	88.3	68.9
72.5°	38.4	41.6	53.4	76.4	89.5	59.8	55.4	62.9	76.0	72.4	56.2
75°	23.0	24.9	30.5	37.2	36.4	30.9	31.3	44.3	58.2	54.2	40.0
77.5°	15.8	16.6	20.2	24.1	17.8	9.5	8.7	12.3	19.8	19.8	13.5
80°	4.0	5.1	5.1	3.2	2.8	2.4	2.4	3.6	5.5	4.0	2.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
87.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
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°	570.8	570.8	570.8	570.8	570.8	570.8	570.8	570.8	570.8	570.8	570.8
2.5°	573.6	568.8	572.0	571.2	573.6	574.4	570.8	570.0	570.4	565.7	564.1
5°	579.1	573.6	575.2	573.6	576.3	578.7	577.5	579.1	581.1	577.5	576.0
7.5°	591.0	585.5	585.1	582.7	586.6	588.2	587.8	592.2	596.1	593.8	591.4
10°	611.6	604.1	603.3	601.3	602.5	603.7	599.3	600.1	603.7	600.9	599.7
12.5°	636.9	627.8	625.8	621.1	621.1	615.1	605.6	603.7	606.4	604.5	602.5
15°	664.2	652.0	648.8	640.5	632.6	621.5	611.6	609.2	611.2	608.8	607.2
17.5°	694.7	680.8	670.6	655.9	638.5	625.4	614.3	609.2	606.0	601.3	600.9
20°	724.8	706.6	689.2	665.8	642.8	623.1	604.8	591.4	579.9	572.8	570.0
22.5°	759.6	732.7	704.6	671.7	638.9	608.8	576.7	553.8	534.0	527.3	524.1
25°	796.8	762.0	720.0	677.3	625.4	577.1	533.6	499.6	473.4	464.7	461.2
27.5°	838.0	790.1	735.9	676.1	597.7	532.0	474.2	431.9	406.1	398.2	401.0
30°	890.2	826.5	755.7	663.8	556.2	468.7	401.0	365.4	346.0	338.4	338.8
32.5°	959.9	878.8	784.6	637.7	502.7	396.6	337.3	311.1	298.1	288.2	287.4
35°	1059.7	958.3	811.5	595.7	437.8	332.5	289.4	268.8	250.6	239.1	241.1
37.5°	1179.2	1058.5	826.1	539.1	365.0	282.6	253.3	232.4	211.8	194.8	196.7
40°	1320.9	1189.5	824.9	464.7	298.5	248.6	223.3	198.7	173.0	157.5	159.1
42.5°	1478.9	1313.4	799.2	385.9	247.4	220.9	194.4	163.5	138.5	129.0	129.4
45°	1615.8	1413.9	754.1	304.4	208.2	194.0	164.3	132.6	121.5	114.8	114.4
47.5°	1717.2	1487.6	689.6	239.5	176.5	169.4	135.0	118.8	110.0	104.5	103.7
50°	1773.8	1513.3	618.3	187.6	149.2	143.7	120.7	107.7	101.7	98.2	97.4
52.5°	1849.8	1544.2	567.2	148.0	125.1	117.6	111.2	100.1	96.2	93.4	92.2
55°	1970.1	1604.0	522.9	117.6	104.1	102.5	104.9	95.8	93.4	89.1	87.5
57.5°	1856.9	1440.9	406.1	91.0	87.9	93.8	101.3	91.4	85.5	81.5	80.0
60°	1306.7	957.9	204.3	73.2	78.4	87.9	95.4	82.7	76.8	77.6	76.8
62.5°	720.4	479.4	91.8	61.4	68.1	77.6	81.5	71.6	67.7	74.4	75.6
65°	235.5	163.1	53.0	47.5	53.8	63.3	70.5	68.1	67.3	75.2	77.6
67.5°	72.4	53.8	36.0	34.0	37.2	46.7	59.4	73.6	79.2	81.5	82.7
70°	54.2	42.4	30.9	28.9	30.5	35.6	50.3	61.4	57.8	58.2	57.4
72.5°	43.5	33.6	26.5	25.3	25.3	24.5	26.5	33.3	37.6	39.6	39.6
75°	30.5	23.8	20.2	18.6	14.6	11.9	10.7	10.7	9.5	9.1	8.7
77.5°	10.3	8.7	7.9	6.3	4.4	3.6	3.2	2.8	2.0	1.2	0.8
80°	1.6	1.2	0.8	0.8	0.8	0.4	0.4	0.4	0.0	0.0	0.0
82.5°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.4	0.4	0.4	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)