

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: P630250

Luminaire Tested: GWS-SA1D-730-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630250
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY 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: 3463.2 lumens
Efficiency: N/A
Efficacy: 78.2 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

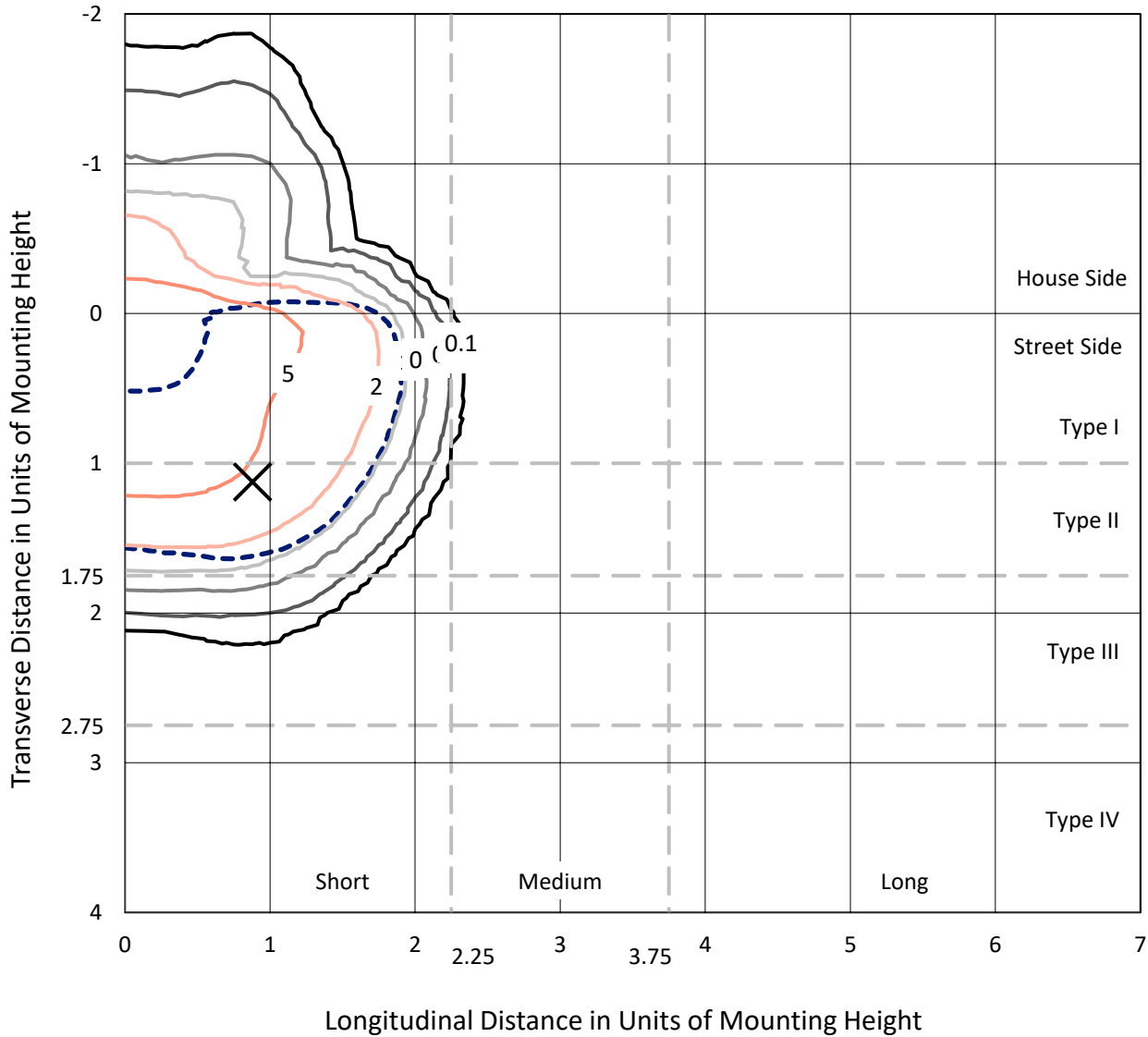
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

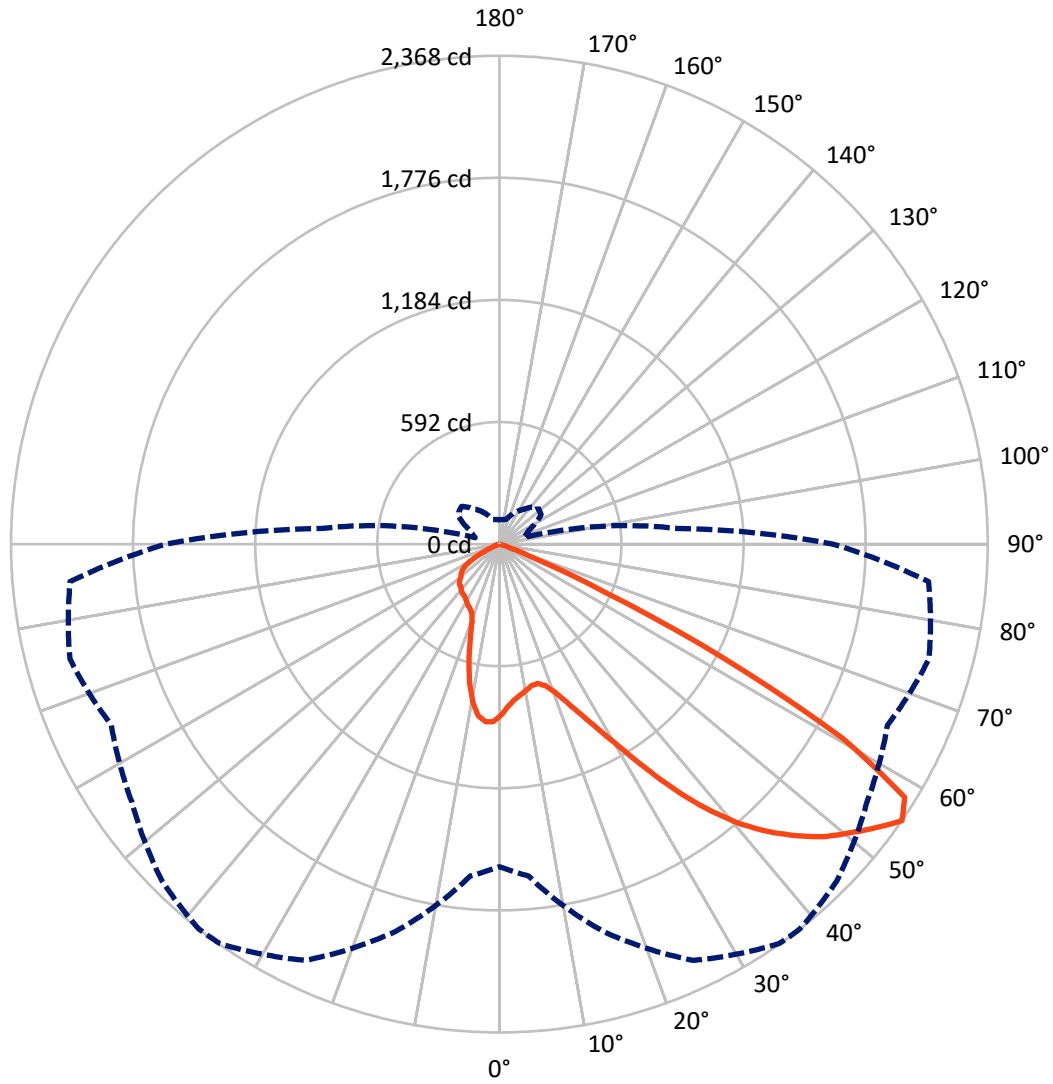
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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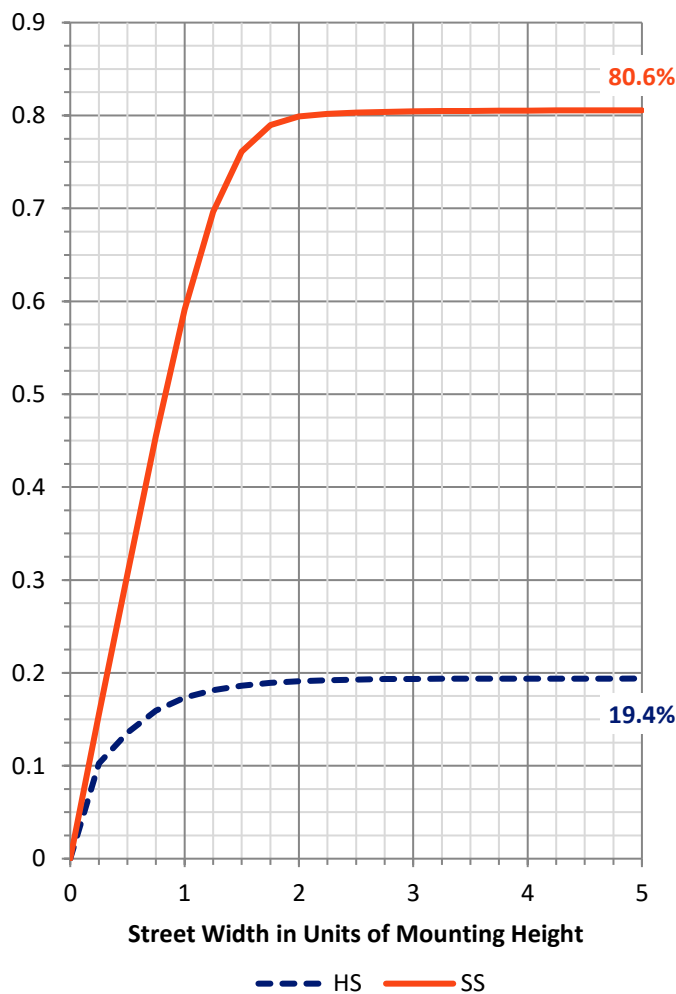
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	674.8	0.0	674.8
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	2788.5	0.0	2788.5
	% Fixture	80.5	0.0	80.5
Total	Lumens	3463.2	0.0	3463.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	2.2
10°-20°	206.7	6.0
20°-30°	354.8	10.2
30°-40°	588.4	17.0
40°-50°	865.0	25.0
50°-60°	1010.7	29.2
60°-70°	342.6	9.9
70°-80°	17.5	0.5
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°	3463.2	100.0
0°-180°	3463.2	100.0

Coefficient of Utilization

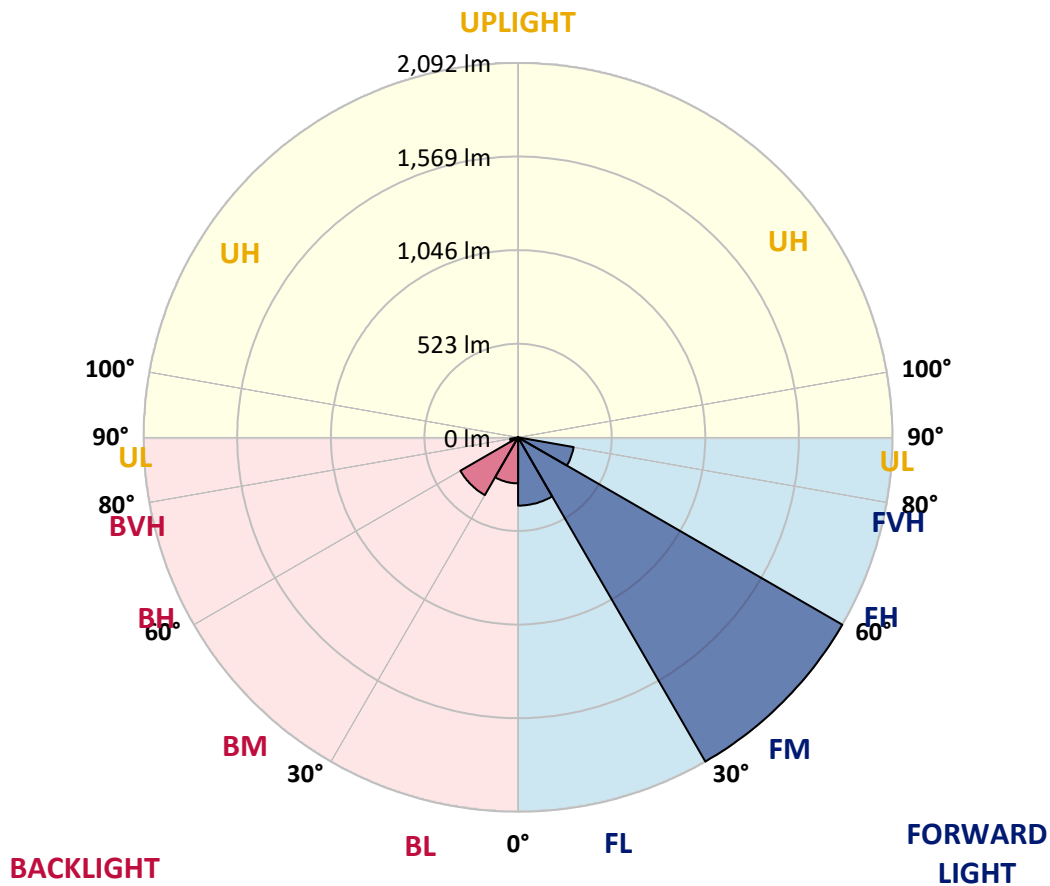


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.2	11.0			
FM (30°-60°)	2091.7	60.4			
FH (60°-80°)	315.2	9.1			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	257.1	7.4	B1/500		
BM (30°-60°)	372.4	10.8	B1/1000		
BH (60°-80°)	44.9	1.3	B0/110		G0/110
BVH (80°-90°)	0.3	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°	38°	45°	55°	65°	75°	85°
0°	830.5	830.5	830.5	830.5	830.5	830.5	830.5	830.5	830.5	830.5	830.5
2.5°	773.5	771.9	775.1	781.4	787.4	789.3	795.3	803.6	808.7	821.0	830.9
5°	738.7	737.9	741.0	746.6	754.5	757.3	766.4	780.2	794.1	815.5	836.4
7.5°	707.0	706.6	711.3	723.6	735.1	738.7	749.7	766.8	785.4	818.2	849.1
10°	665.4	665.8	674.9	692.3	713.3	720.5	738.3	762.8	787.0	829.3	872.1
12.5°	652.0	652.8	657.5	671.0	693.9	703.0	728.0	765.2	796.1	845.1	901.8
15°	684.8	684.8	680.9	682.5	692.7	701.1	727.2	773.1	811.5	864.1	931.0
17.5°	748.6	746.2	736.3	722.8	719.3	722.0	743.0	790.1	833.3	886.3	964.3
20°	834.9	835.6	816.3	788.1	765.6	765.2	777.9	820.2	864.5	912.8	1000.3
22.5°	939.4	936.2	910.5	872.1	832.9	829.7	834.9	866.1	909.7	954.8	1044.7
25°	1060.5	1058.9	1022.5	971.0	919.2	911.7	911.7	942.5	974.2	1014.6	1097.7
27.5°	1187.2	1187.2	1151.9	1092.6	1023.7	1010.2	1008.2	1044.7	1065.6	1073.6	1142.4
30°	1317.4	1315.8	1281.0	1220.0	1146.4	1132.5	1127.0	1153.9	1169.0	1145.2	1198.3
32.5°	1449.6	1452.4	1417.2	1360.6	1294.8	1285.7	1268.7	1268.7	1281.0	1247.7	1286.1
35°	1591.7	1590.9	1563.2	1524.8	1468.6	1458.3	1430.2	1386.3	1404.9	1390.2	1407.7
37.5°	1717.2	1723.2	1709.7	1681.2	1635.7	1625.4	1579.1	1499.5	1513.7	1536.7	1552.1
40°	1844.7	1849.4	1862.9	1853.8	1796.4	1777.4	1695.0	1564.4	1580.2	1659.0	1703.4
42.5°	1969.8	1972.1	1999.5	2014.5	1937.7	1904.5	1782.9	1604.0	1620.6	1754.8	1832.4
45°	2049.3	2054.5	2099.6	2145.5	2062.4	2016.9	1859.3	1654.7	1661.8	1821.3	1927.8
47.5°	2046.2	2058.0	2142.8	2226.3	2169.7	2120.6	1951.2	1735.8	1723.9	1883.9	1990.8
50°	1982.4	1996.7	2118.2	2250.8	2246.9	2201.3	2053.3	1853.4	1816.2	1939.3	1998.7
52.5°	1850.2	1891.4	2075.1	2254.0	2309.0	2286.1	2179.6	2011.7	1940.9	2018.9	2011.3
55°	1564.4	1615.1	1944.0	2227.1	2365.2	2368.0	2312.2	2176.8	2076.3	2155.8	2089.3
57.5°	1187.6	1227.9	1496.3	1982.4	2272.2	2317.7	2363.6	2263.9	2159.8	2249.2	2107.5
60°	715.7	762.4	937.0	1454.8	1835.2	1912.8	2092.9	2073.5	1948.0	1986.4	1728.3
62.5°	290.2	314.7	432.7	801.6	1155.1	1227.5	1400.1	1429.4	1398.6	1359.4	1048.2
65°	106.1	116.0	173.4	331.3	531.2	557.8	648.8	700.7	743.4	633.0	389.9
67.5°	65.7	72.0	112.8	170.2	193.2	179.7	182.9	218.1	208.2	128.7	69.7
70°	48.7	53.8	88.3	118.0	78.0	60.2	40.8	43.5	39.2	34.4	34.0
72.5°	33.6	38.4	66.1	69.7	30.1	21.4	15.0	21.0	23.8	23.4	24.1
75°	22.2	25.7	41.6	27.3	7.5	5.9	5.1	11.1	14.3	14.3	14.6
77.5°	13.1	15.0	14.6	5.5	1.6	1.6	1.2	2.0	3.2	3.6	4.4
80°	1.6	1.2	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2
82.5°	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2
85°	0.0	0.0	0.4	0.4	0.8	0.8	0.8	0.8	0.8	1.2	1.2
87.5°	0.0	0.0	0.4	0.4	0.8	0.8	0.8	0.8	0.8	1.2	1.2
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°	830.5	830.5	830.5	830.5	830.5	830.5	830.5	830.5	830.5	830.5	830.5
2.5°	838.4	835.6	847.1	855.4	862.2	865.3	861.0	860.6	860.6	851.9	849.5
5°	848.3	849.5	865.7	872.9	874.0	870.1	860.2	853.5	849.5	840.4	835.3
7.5°	867.3	871.3	886.7	885.5	874.8	856.6	830.5	810.3	797.3	783.0	774.3
10°	894.6	902.2	911.7	895.0	861.0	814.7	760.8	722.4	699.5	683.2	673.3
12.5°	927.9	935.4	932.2	893.0	822.2	739.5	670.2	614.8	588.2	573.6	563.3
15°	961.5	966.3	945.7	869.3	753.7	642.5	565.3	510.3	477.8	465.9	457.2
17.5°	996.0	994.8	948.1	822.6	662.3	533.2	457.2	419.6	410.5	408.5	407.7
20°	1032.0	1021.3	938.6	755.7	552.2	425.1	382.0	384.4	401.0	408.9	410.5
22.5°	1073.2	1046.2	914.8	665.0	439.8	354.3	358.6	382.0	404.6	415.3	416.8
25°	1117.1	1069.2	875.2	548.7	346.8	325.8	351.5	378.4	402.6	415.6	417.2
27.5°	1146.0	1074.7	810.3	431.5	297.7	314.7	342.0	367.7	392.7	406.9	408.9
30°	1177.3	1072.4	722.0	332.5	281.1	305.2	329.0	352.3	375.3	391.1	392.7
32.5°	1223.2	1070.8	614.4	270.0	274.3	297.7	315.1	334.5	350.3	359.4	358.2
35°	1283.4	1068.8	488.9	243.5	270.4	291.7	305.6	314.7	297.3	291.7	292.9
37.5°	1360.6	1073.6	383.2	232.4	269.2	290.2	302.0	275.9	249.0	238.7	237.1
40°	1446.1	1085.8	292.1	228.0	273.1	294.1	288.6	245.4	212.2	192.0	187.6
42.5°	1532.0	1099.3	231.2	226.4	279.9	305.2	266.4	223.3	173.4	161.9	160.3
45°	1595.7	1096.9	199.9	223.7	285.8	311.5	260.5	191.6	154.8	149.6	150.0
47.5°	1627.8	1070.8	182.9	217.3	288.2	305.2	245.8	178.5	142.1	147.7	152.4
50°	1610.7	1003.1	167.1	205.1	283.0	296.9	222.5	168.6	135.8	158.7	169.4
52.5°	1590.1	920.0	149.6	186.1	270.8	285.4	213.4	165.9	131.8	153.2	161.1
55°	1617.5	867.3	121.1	156.8	246.6	258.5	206.2	165.5	122.7	119.2	118.0
57.5°	1579.1	762.4	86.7	112.8	189.2	204.7	201.1	162.7	108.9	108.5	110.0
60°	1220.4	465.1	59.4	71.6	116.0	130.6	182.5	155.6	93.8	86.3	86.7
62.5°	693.5	197.9	40.8	44.3	59.4	70.5	139.3	141.3	86.7	82.3	86.7
65°	241.5	70.9	31.7	29.7	32.9	37.6	80.0	109.3	78.8	71.3	72.0
67.5°	49.9	35.2	28.1	24.5	24.5	24.5	40.8	68.1	64.9	56.6	57.4
70°	31.7	30.1	24.5	21.0	20.2	18.6	23.4	37.6	44.7	41.2	41.6
72.5°	23.4	23.0	19.4	17.0	15.0	13.5	14.6	18.6	23.0	23.8	24.1
75°	14.3	14.6	12.7	10.7	9.5	8.3	8.7	8.7	8.7	7.9	8.7
77.5°	4.4	4.8	4.0	3.2	2.8	2.8	2.8	2.4	2.0	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	0.8	0.8	0.4	0.4	0.0	0.0
82.5°	1.2	1.2	1.2	1.2	0.8	0.8	0.4	0.4	0.0	0.0	0.0
85°	1.2	1.2	1.2	1.2	0.8	0.8	0.4	0.4	0.0	0.0	0.0
87.5°	1.2	1.2	1.2	1.2	0.8	0.8	0.4	0.4	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)