

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1208109

Luminaire Tested: UPW-SA1-040-740-U-T2R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-740-U-T2R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6359 lumens
Efficiency: N/A
Efficacy: 144.5 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): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

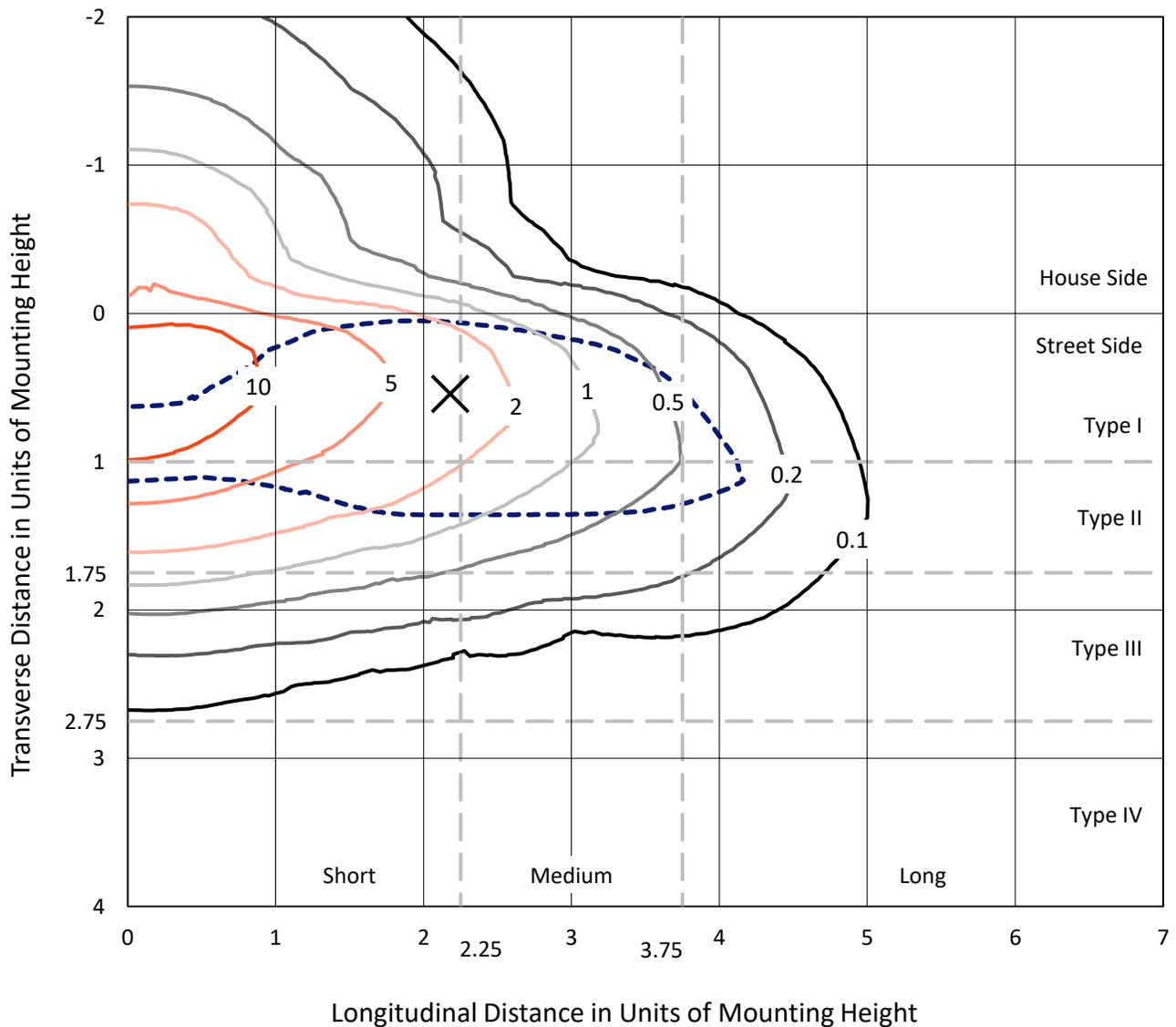


REPORT NUMBER: P1208109

CATALOG NUMBER: UPW-SA1-040-740-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

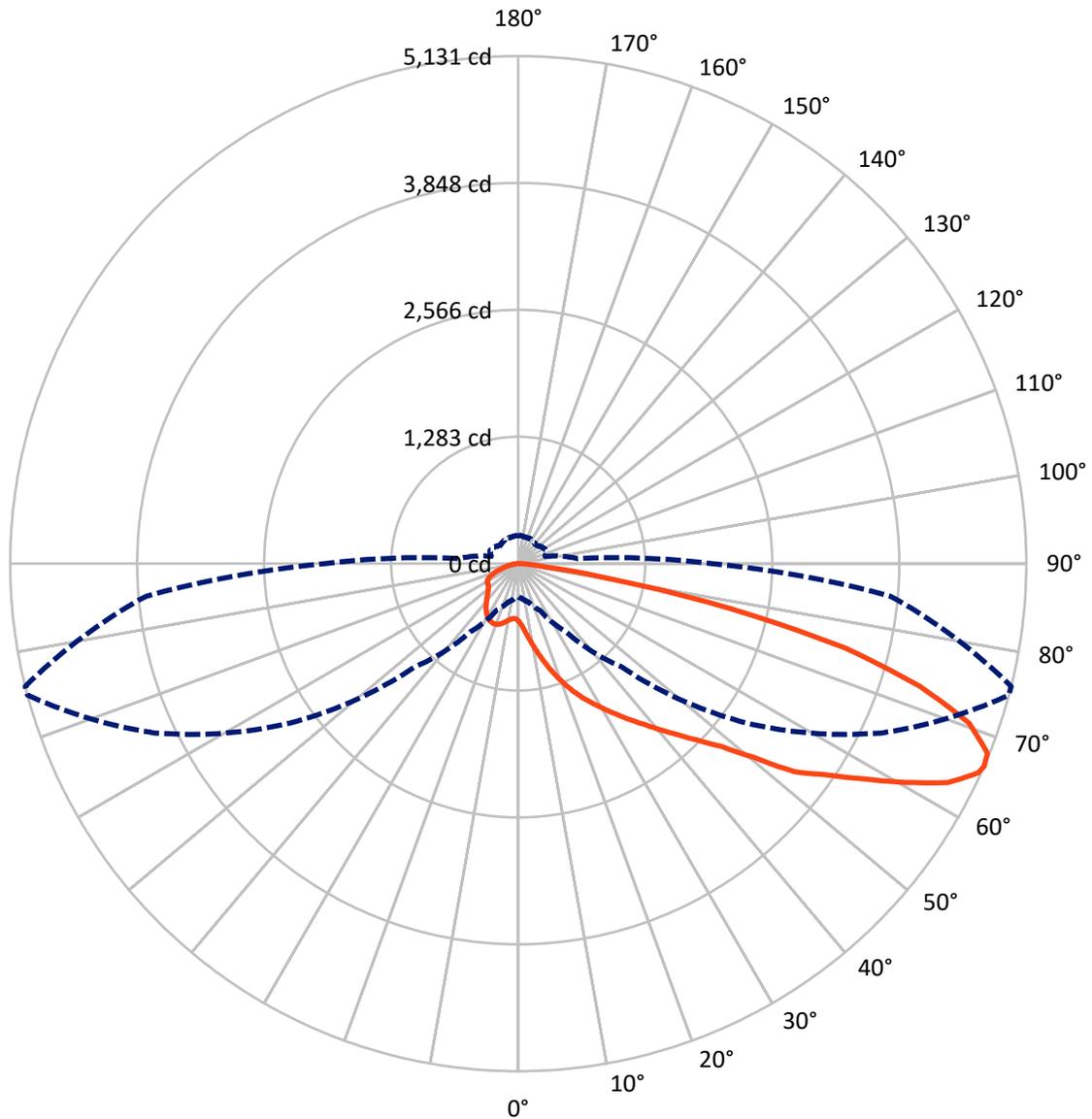


Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type II - Short - N/A

REPORT NUMBER: P1208109

CATALOG NUMBER: UPW-SA1-040-740-U-T2R

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1070.0	0.0	1070.0
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	5289.0	0.0	5289.0
	% Fixture	83.2	0.0	83.2
Total	Lumens	6359.0	0.0	6359.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	1.1
10°-20°	277.3	4.4
20°-30°	538.9	8.5
30°-40°	879.6	13.8
40°-50°	1201.7	18.9
50°-60°	1399.8	22.0
60°-70°	1254.9	19.7
70°-80°	634.2	10.0
80°-90°	102.4	1.6
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°	6359.0	100.0
0°-180°	6359.0	100.0



REPORT NUMBER: P1208109

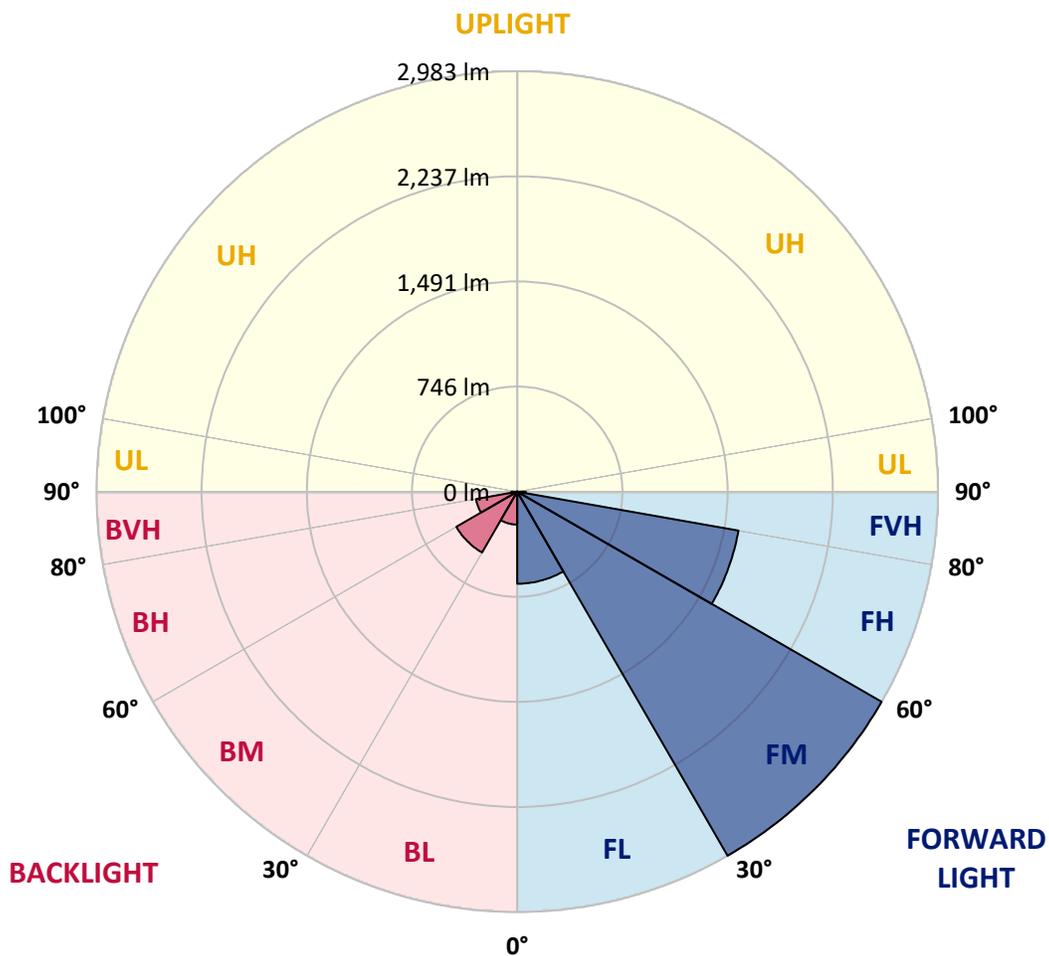
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	653.1	10.3			
FM	(30°-60°)	2982.8	46.9			
FH	(60°-80°)	1592.7	25.0			G1/1800
FVH	(80°-90°)	60.5	1.0			G1/100
BL	(0°-30°)	233.4	3.7	B1/500		
BM	(30°-60°)	498.3	7.8	B1/1000		
BH	(60°-80°)	296.4	4.7	B1/500		G1/500
BVH	(80°-90°)	41.9	0.7			G1/100
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





REPORT NUMBER: P1208109

CATALOG NUMBER: UPW-SA1-040-740-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7
2.5°	770.9	759.3	758.2	741.1	737.2	704.6	680.7	655.6	627.1	621.5	599.1
5°	990.2	989.2	974.3	946.4	924.6	868.9	813.9	755.6	691.7	681.3	630.8
7.5°	1187.6	1185.8	1174.4	1144.4	1112.9	1044.4	965.9	876.5	772.9	757.5	673.8
10°	1337.4	1336.7	1332.8	1310.8	1284.1	1218.4	1131.6	1009.7	867.2	846.3	727.5
12.5°	1453.1	1454.4	1457.0	1449.2	1436.5	1380.6	1291.6	1150.9	967.8	947.1	787.3
15°	1531.5	1535.3	1548.7	1559.7	1566.4	1532.1	1446.0	1295.3	1080.5	1055.7	853.6
17.5°	1571.0	1575.3	1598.4	1631.6	1662.3	1658.8	1590.4	1433.0	1188.6	1164.7	924.8
20°	1605.1	1608.3	1634.2	1674.2	1728.3	1752.3	1713.9	1565.6	1307.2	1278.7	1000.4
22.5°	1703.9	1708.1	1715.8	1738.5	1786.4	1830.5	1811.9	1691.0	1415.7	1389.2	1072.1
25°	1894.8	1899.8	1882.9	1863.7	1872.8	1903.4	1906.9	1805.4	1525.8	1495.8	1149.1
27.5°	2124.7	2131.8	2103.1	2053.7	2010.5	1998.6	1994.5	1899.1	1631.0	1596.2	1225.3
30°	2349.9	2362.2	2324.8	2260.7	2181.5	2125.8	2084.5	1990.9	1734.6	1701.4	1297.2
32.5°	2569.8	2564.9	2510.7	2448.1	2355.3	2285.5	2185.8	2089.3	1851.2	1813.0	1368.7
35°	2720.5	2722.3	2672.0	2597.7	2509.2	2455.6	2321.4	2195.5	1970.1	1934.9	1449.9
37.5°	2848.8	2840.8	2783.8	2714.5	2638.3	2615.4	2480.0	2312.5	2099.0	2060.6	1536.2
40°	2891.5	2882.2	2844.9	2795.0	2733.9	2732.0	2655.1	2445.1	2244.7	2206.7	1633.6
42.5°	2865.6	2853.7	2838.4	2824.8	2806.0	2814.7	2819.6	2600.5	2404.9	2362.4	1746.3
45°	2770.0	2752.1	2762.8	2792.4	2833.2	2882.0	2968.1	2772.6	2584.3	2548.7	1878.6
47.5°	2623.0	2606.8	2640.4	2703.7	2814.7	2938.1	3108.7	2962.5	2798.5	2763.1	2067.1
50°	2416.1	2420.9	2469.0	2584.1	2751.8	2964.0	3281.8	3214.0	3109.8	3076.7	2324.2
52.5°	2076.8	2077.6	2213.2	2402.1	2640.4	2950.7	3377.9	3535.5	3534.8	3494.9	2569.0
55°	1761.6	1780.8	1888.1	2139.2	2460.0	2897.1	3445.0	3691.8	3814.0	3767.1	2797.2
57.5°	1453.7	1465.0	1566.6	1818.8	2202.4	2754.4	3513.9	3879.4	4135.6	4106.1	3080.8
60°	1103.6	1120.9	1226.0	1458.9	1873.0	2501.2	3520.4	4075.2	4520.1	4490.3	3397.5
62.5°	716.3	746.1	844.5	1062.8	1474.5	2137.0	3370.1	4203.2	4884.5	4873.9	3678.6
65°	411.7	434.1	502.6	671.0	1017.2	1679.8	3012.8	4154.0	5108.8	5102.8	3783.7
66°	336.3	350.4	402.8	524.4	839.3	1475.1	2805.2	4050.1	5131.1	5131.3	3771.7
67.5°	269.0	275.2	298.8	375.4	619.4	1169.2	2434.1	3821.1	5103.4	5111.0	3693.7
70°	222.6	225.8	233.2	251.7	338.1	705.1	1727.7	3225.9	4826.0	4831.9	3389.5
72.5°	199.7	201.6	204.4	207.0	238.5	394.0	1055.2	2580.6	4231.3	4238.8	2926.1
75°	180.9	182.0	181.6	181.8	200.1	251.1	545.3	1926.7	3421.3	3406.2	2241.5
77.5°	158.9	160.0	157.8	158.2	177.0	193.0	271.4	1348.8	2308.8	2202.2	1262.9
80°	134.3	135.1	134.3	135.8	154.1	145.7	157.8	758.8	1020.9	965.6	449.0
82.5°	101.5	105.1	107.7	113.8	126.9	103.6	105.6	295.5	310.9	296.0	137.7
85°	44.5	54.2	81.2	87.0	95.4	62.2	69.3	120.5	126.5	122.6	50.1
87.5°	11.7	12.7	40.2	50.5	52.9	28.1	36.1	54.8	57.9	54.8	16.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1208109

CATALOG NUMBER: UPW-SA1-040-740-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7	580.7
2.5°	587.2	576.6	557.6	540.8	528.0	519.4	510.8	506.5	503.9	501.3	501.7
5°	606.0	584.6	552.0	528.9	516.0	507.8	503.4	501.7	500.6	498.0	498.0
7.5°	634.3	604.0	559.1	535.4	525.2	519.0	516.4	515.5	514.2	511.2	511.6
10°	669.9	627.6	574.0	550.9	541.6	534.7	531.1	529.8	527.4	523.9	524.4
12.5°	711.8	656.7	593.7	569.5	558.3	549.0	542.9	539.3	535.2	530.6	530.9
15°	757.5	688.4	614.8	586.1	570.8	557.8	548.1	541.9	535.4	529.8	529.6
17.5°	803.9	719.1	631.0	595.2	574.5	557.4	544.2	534.5	526.5	519.6	519.0
20°	854.0	746.7	640.1	594.3	567.6	547.3	529.8	517.7	508.8	501.9	500.8
22.5°	905.0	772.6	641.6	585.5	552.2	527.4	509.0	495.7	486.6	479.5	476.9
25°	951.6	792.7	635.3	568.4	530.9	504.1	486.2	472.6	465.2	456.8	454.2
27.5°	994.1	806.7	622.8	546.6	506.9	480.6	463.7	452.1	444.1	437.6	435.4
30°	1032.3	814.3	602.3	520.7	482.3	458.3	444.1	436.1	429.2	421.0	419.5
32.5°	1068.6	814.3	576.0	492.4	457.9	438.7	430.3	425.3	417.5	409.5	407.4
35°	1104.9	809.3	544.9	462.8	435.4	424.6	424.2	418.4	406.5	395.7	392.9
37.5°	1143.1	799.2	509.9	435.2	417.1	418.4	422.0	409.1	392.3	376.9	372.8
40°	1186.3	785.2	473.6	411.3	401.8	415.6	416.2	395.7	362.9	348.9	345.2
42.5°	1237.0	771.1	440.0	390.1	389.7	407.2	405.2	366.8	347.1	340.0	338.1
45°	1303.7	763.1	408.0	370.0	380.2	393.6	386.4	350.8	342.6	338.5	336.8
47.5°	1408.8	767.2	378.7	354.0	370.7	380.0	351.5	344.3	338.5	333.5	331.8
50°	1540.5	764.9	354.9	343.0	359.9	365.7	335.7	335.9	332.9	327.3	324.7
52.5°	1639.6	746.3	339.6	336.8	350.4	340.4	325.8	327.7	326.2	318.0	315.2
55°	1735.3	730.3	331.8	334.4	343.5	308.9	314.1	318.9	317.3	309.4	308.1
57.5°	1854.2	727.3	327.1	335.0	337.6	293.2	302.9	309.1	308.1	304.6	304.0
60°	1999.9	728.2	322.7	336.1	331.2	281.5	292.3	300.3	300.9	300.3	299.9
62.5°	2080.0	704.6	311.9	333.1	319.7	271.4	281.3	293.0	293.2	294.5	294.2
65°	2012.0	634.3	291.9	322.5	300.5	262.9	271.8	284.5	281.3	287.1	287.1
66°	1946.0	593.7	281.9	315.6	292.3	259.7	268.8	280.2	276.1	284.1	284.1
67.5°	1811.0	525.2	264.0	300.9	280.6	255.2	265.3	273.1	267.5	279.4	278.5
70°	1564.5	406.3	228.0	267.7	261.4	248.5	260.6	258.8	250.6	268.8	265.3
72.5°	1319.0	308.7	183.1	224.1	232.3	240.1	253.9	240.7	230.3	243.1	235.5
75°	1023.5	232.1	144.6	174.2	196.2	226.9	245.9	219.8	204.9	203.6	199.5
77.5°	553.3	159.3	114.6	133.0	155.9	210.5	240.5	197.3	174.9	169.7	166.4
80°	219.1	103.6	83.3	100.8	109.0	186.7	227.5	171.2	144.2	139.0	134.1
82.5°	90.5	61.3	53.8	67.6	71.0	159.8	204.2	140.3	111.4	154.1	163.6
85°	38.9	33.7	32.0	35.0	40.2	112.0	162.6	107.1	120.2	107.3	85.3
87.5°	11.7	14.2	13.6	13.4	14.7	26.8	86.6	59.6	88.3	33.5	25.0
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)