

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: P1208433

Luminaire Tested: UPW-SA1-060-827-U-T2R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208433
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-SA1-060-827-U-T2R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5785 lumens
Efficiency: N/A
Efficacy: 99.7 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): 58
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

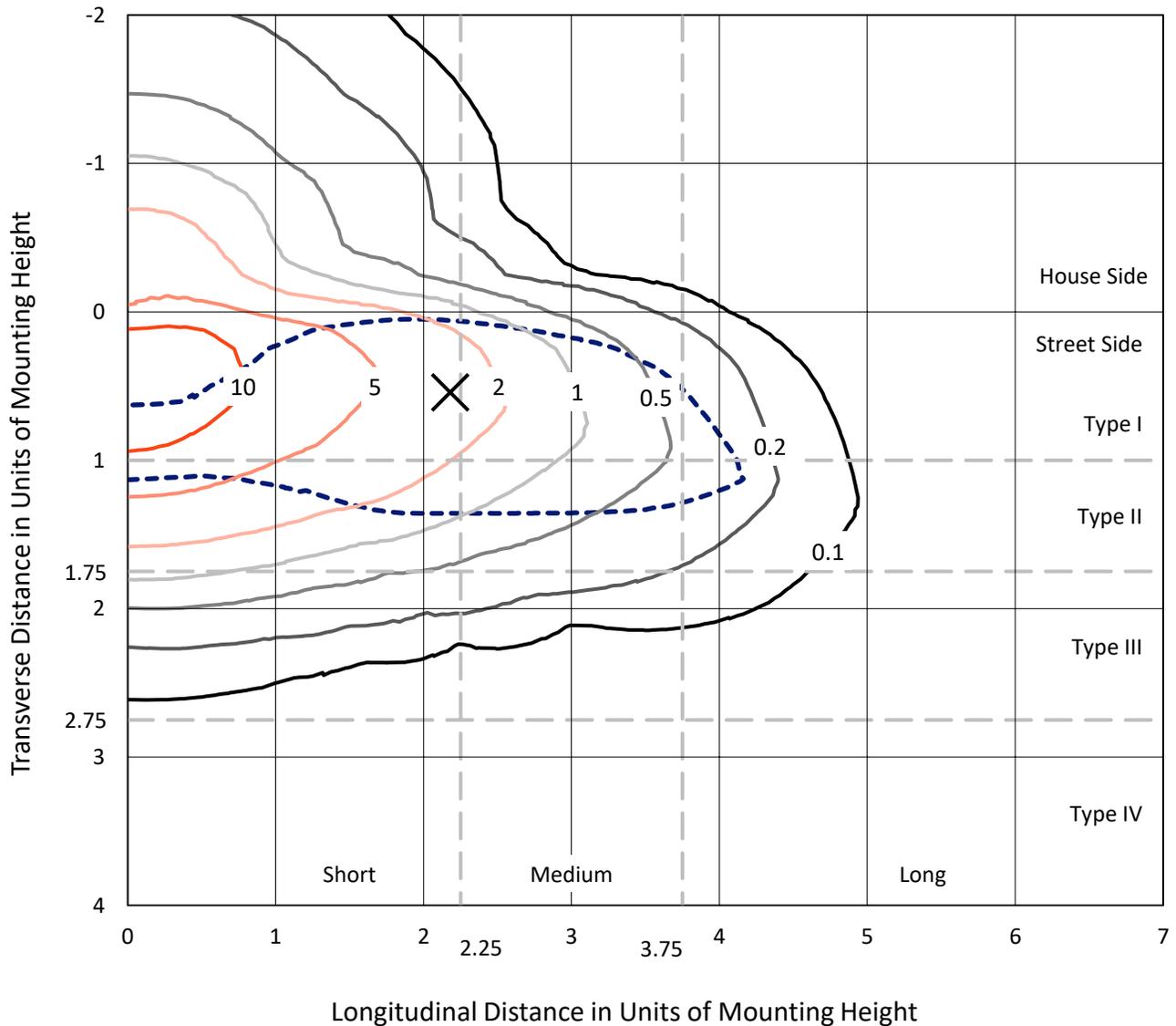


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Iso-Footcandle Lines of Horizontal Illumination

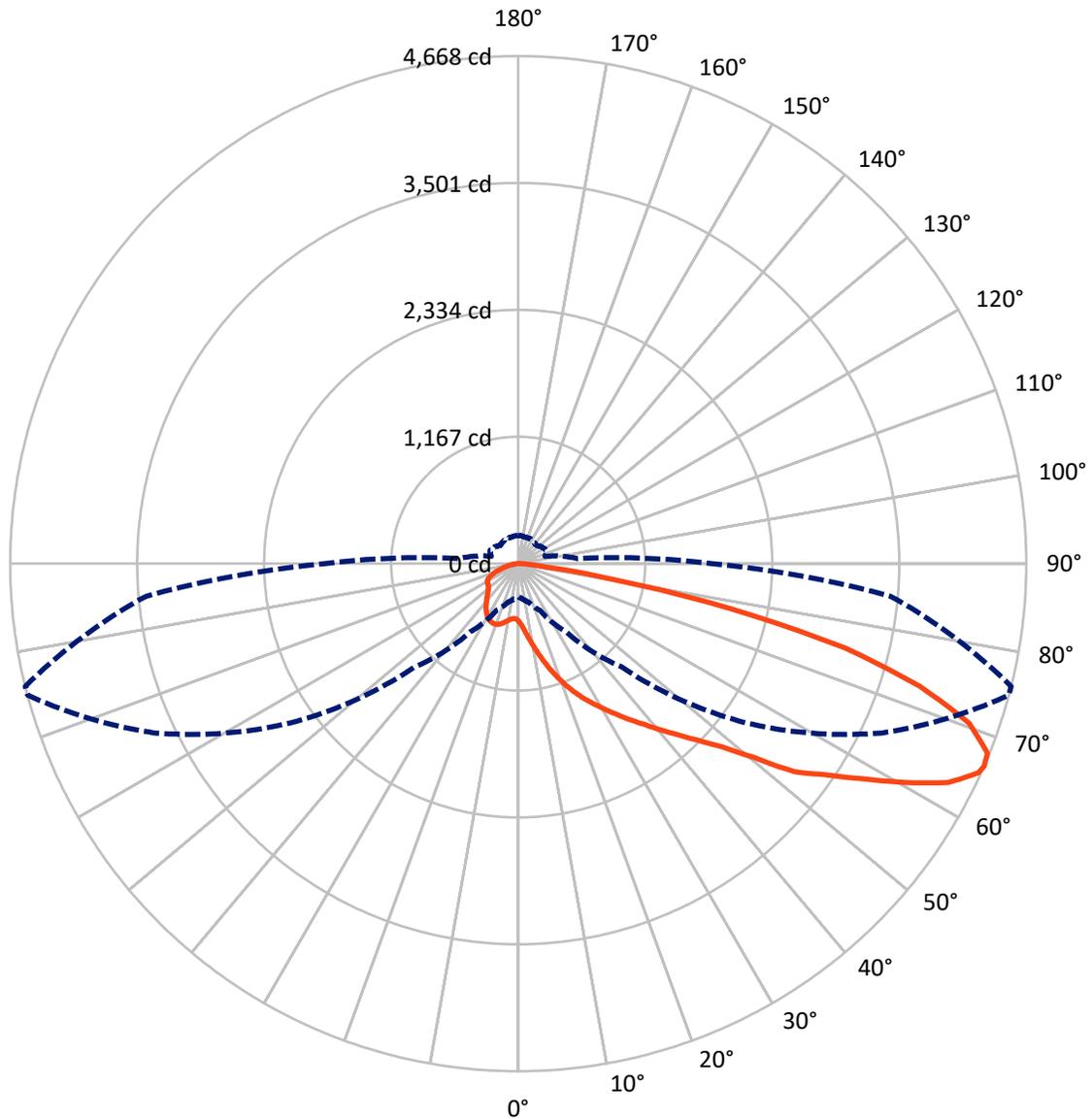
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14 fc
 Type II - Short - N/A

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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	973.4	0.0	973.4
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	4811.6	0.0	4811.6
	% Fixture	83.2	0.0	83.2
Total	Lumens	5785.0	0.0	5785.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	1.1
10°-20°	252.3	4.4
20°-30°	490.2	8.5
30°-40°	800.2	13.8
40°-50°	1093.2	18.9
50°-60°	1273.4	22.0
60°-70°	1141.6	19.7
70°-80°	576.9	10.0
80°-90°	93.2	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°	5785.0	100.0
0°-180°	5785.0	100.0



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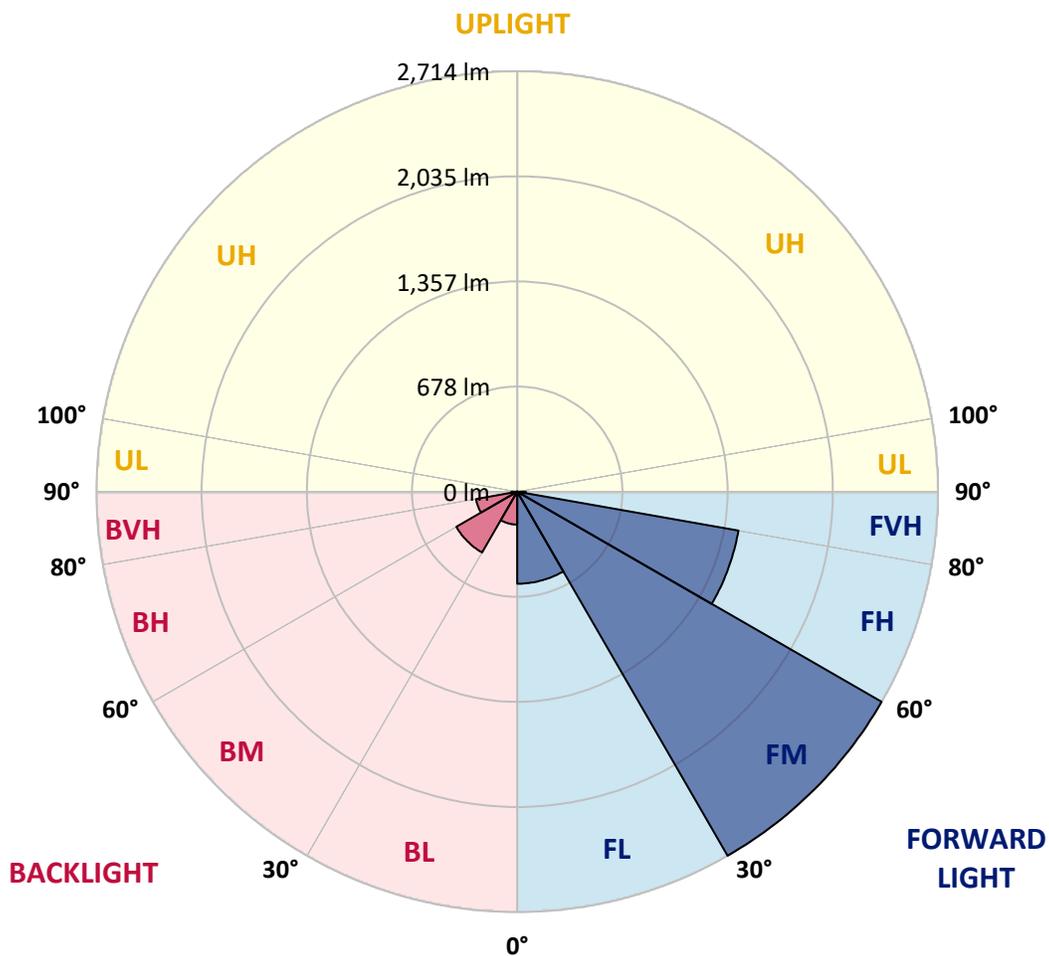
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	594.1	10.3			
FM	(30°-60°)	2713.6	46.9			
FH	(60°-80°)	1448.9	25.0			G1/1800
FVH	(80°-90°)	55.0	1.0			G1/100
BL	(0°-30°)	212.3	3.7	B1/500		
BM	(30°-60°)	453.3	7.8	B1/1000		
BH	(60°-80°)	269.7	4.7	B1/500		G1/500
BVH	(80°-90°)	38.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3
2.5°	701.3	690.7	689.7	674.2	670.7	641.0	619.2	596.4	570.5	565.4	545.0
5°	900.9	899.9	886.3	861.0	841.2	790.5	740.4	687.4	629.2	619.8	573.9
7.5°	1080.4	1078.8	1068.4	1041.1	1012.4	950.2	878.7	797.4	703.1	689.1	612.9
10°	1216.7	1216.1	1212.5	1192.5	1168.2	1108.5	1029.5	918.5	788.9	769.9	661.8
12.5°	1321.9	1323.1	1325.5	1318.4	1306.8	1255.9	1175.0	1047.0	880.4	861.6	716.3
15°	1393.2	1396.8	1408.9	1418.9	1425.0	1393.8	1315.4	1178.4	983.0	960.4	776.5
17.5°	1429.2	1433.1	1454.1	1484.3	1512.2	1509.1	1446.8	1303.7	1081.3	1059.5	841.4
20°	1460.2	1463.1	1486.7	1523.0	1572.3	1594.1	1559.2	1424.3	1189.2	1163.2	910.1
22.5°	1550.1	1553.9	1560.9	1581.6	1625.2	1665.2	1648.3	1538.4	1288.0	1263.8	975.3
25°	1723.8	1728.3	1713.0	1695.5	1703.7	1731.6	1734.8	1642.4	1388.1	1360.8	1045.4
27.5°	1932.9	1939.4	1913.3	1868.3	1829.0	1818.2	1814.5	1727.7	1483.8	1452.1	1114.7
30°	2137.8	2148.9	2115.0	2056.6	1984.6	1933.9	1896.4	1811.1	1578.0	1547.8	1180.1
32.5°	2337.9	2333.4	2284.1	2227.1	2142.7	2079.2	1988.5	1900.7	1684.1	1649.3	1245.1
35°	2475.0	2476.5	2430.8	2363.2	2282.7	2234.0	2111.8	1997.3	1792.3	1760.3	1319.0
37.5°	2591.6	2584.4	2532.5	2469.5	2400.1	2379.3	2256.2	2103.8	1909.5	1874.6	1397.5
40°	2630.5	2622.1	2588.1	2542.7	2487.1	2485.4	2415.5	2224.4	2042.1	2007.5	1486.1
42.5°	2606.9	2596.1	2582.2	2569.8	2552.7	2560.6	2565.1	2365.8	2187.8	2149.1	1588.6
45°	2519.9	2503.6	2513.5	2540.4	2577.5	2621.9	2700.2	2522.3	2351.0	2318.6	1709.0
47.5°	2386.2	2371.5	2402.1	2459.6	2560.6	2672.9	2828.1	2695.1	2545.9	2513.7	1880.5
50°	2198.0	2202.4	2246.2	2350.8	2503.4	2696.5	2985.6	2923.9	2829.1	2799.0	2114.4
52.5°	1889.3	1890.1	2013.4	2185.3	2402.1	2684.3	3073.0	3216.4	3215.8	3179.4	2337.1
55°	1602.6	1620.1	1717.7	1946.1	2237.9	2635.6	3134.1	3358.5	3469.7	3427.1	2544.7
57.5°	1322.5	1332.7	1425.2	1654.6	2003.6	2505.8	3196.7	3529.2	3762.3	3735.4	2802.7
60°	1004.0	1019.7	1115.3	1327.2	1703.9	2275.4	3202.6	3707.3	4112.1	4085.0	3090.9
62.5°	651.6	678.7	768.3	966.8	1341.4	1944.1	3065.9	3823.8	4443.6	4434.0	3346.6
65°	374.5	394.9	457.2	610.4	925.4	1528.1	2740.9	3779.0	4647.7	4642.2	3442.2
66°	306.0	318.7	366.5	477.0	763.6	1342.0	2551.9	3684.6	4667.9	4668.1	3431.2
67.5°	244.7	250.4	271.8	341.5	563.5	1063.7	2214.3	3476.2	4642.8	4649.6	3360.3
70°	202.5	205.4	212.1	229.0	307.6	641.4	1571.7	2934.7	4390.4	4395.7	3083.6
72.5°	181.7	183.4	186.0	188.3	217.0	358.4	960.0	2347.7	3849.3	3856.2	2661.9
75°	164.6	165.6	165.2	165.4	182.1	228.4	496.1	1752.8	3112.5	3098.7	2039.2
77.5°	144.5	145.5	143.6	144.0	161.0	175.6	246.9	1227.1	2100.4	2003.4	1148.9
80°	122.2	122.9	122.2	123.5	140.2	132.6	143.6	690.3	928.7	878.5	408.5
82.5°	92.3	95.6	98.0	103.5	115.5	94.3	96.0	268.9	282.8	269.3	125.3
85°	40.5	49.3	73.8	79.1	86.8	56.6	63.0	109.6	115.1	111.6	45.6
87.5°	10.6	11.6	36.5	46.0	48.1	25.5	32.8	49.9	52.6	49.9	15.1
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°	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3	528.3
2.5°	534.2	524.6	507.3	492.0	480.4	472.5	464.7	460.7	458.4	456.0	456.4
5°	551.3	531.8	502.2	481.2	469.4	461.9	458.0	456.4	455.4	453.1	453.1
7.5°	577.0	549.5	508.7	487.1	477.8	472.1	469.8	469.0	467.8	465.1	465.5
10°	609.4	570.9	522.2	501.2	492.8	486.5	483.1	482.0	479.8	476.6	477.0
12.5°	647.5	597.4	540.1	518.1	507.9	499.4	493.9	490.6	486.9	482.7	482.9
15°	689.1	626.3	559.3	533.2	519.3	507.5	498.6	492.9	487.1	482.0	481.8
17.5°	731.4	654.2	574.1	541.5	522.6	507.1	495.1	486.3	479.0	472.7	472.1
20°	776.9	679.3	582.3	540.7	516.3	497.9	482.0	471.0	462.9	456.6	455.6
22.5°	823.3	702.9	583.7	532.6	502.4	479.8	463.1	450.9	442.7	436.2	433.8
25°	865.7	721.2	578.0	517.1	482.9	458.6	442.3	429.9	423.2	415.6	413.2
27.5°	904.4	733.9	566.6	497.3	461.1	437.2	421.9	411.2	404.0	398.1	396.1
30°	939.2	740.8	547.9	473.7	438.7	416.9	404.0	396.7	390.4	383.0	381.6
32.5°	972.2	740.8	524.0	448.0	416.6	399.1	391.4	386.9	379.8	372.6	370.6
35°	1005.1	736.3	495.7	421.1	396.1	386.3	385.9	380.6	369.8	360.0	357.4
37.5°	1039.9	727.1	463.9	395.9	379.4	380.6	384.0	372.2	356.8	342.9	339.2
40°	1079.2	714.3	430.9	374.1	365.5	378.1	378.6	360.0	330.1	317.4	314.0
42.5°	1125.3	701.5	400.3	354.9	354.5	370.4	368.6	333.7	315.8	309.3	307.6
45°	1186.0	694.3	371.2	336.6	345.9	358.0	351.5	319.1	311.7	307.9	306.4
47.5°	1281.7	698.0	344.5	322.1	337.2	345.7	319.7	313.2	307.9	303.4	301.9
50°	1401.5	695.8	322.9	312.1	327.4	332.7	305.4	305.6	302.8	297.7	295.4
52.5°	1491.6	678.9	308.9	306.4	318.7	309.7	296.4	298.1	296.8	289.3	286.7
55°	1578.6	664.4	301.9	304.2	312.5	281.0	285.8	290.1	288.7	281.4	280.3
57.5°	1686.8	661.7	297.5	304.8	307.2	266.7	275.5	281.2	280.3	277.1	276.5
60°	1819.4	662.4	293.6	305.8	301.3	256.1	265.9	273.2	273.8	273.2	272.8
62.5°	1892.3	641.0	283.8	303.0	290.9	246.9	255.9	266.5	266.7	267.9	267.7
65°	1830.4	577.0	265.5	293.4	273.4	239.2	247.3	258.8	255.9	261.2	261.2
66°	1770.3	540.1	256.5	287.1	265.9	236.3	244.5	254.9	251.2	258.5	258.5
67.5°	1647.6	477.8	240.2	273.8	255.3	232.1	241.4	248.4	243.3	254.1	253.3
70°	1423.3	369.6	207.4	243.5	237.8	226.0	237.0	235.5	228.0	244.5	241.4
72.5°	1200.0	280.8	166.5	203.9	211.3	218.4	231.0	219.0	209.6	221.1	214.3
75°	931.1	211.1	131.6	158.5	178.5	206.4	223.7	199.9	186.4	185.2	181.5
77.5°	503.4	144.9	104.3	121.0	141.8	191.5	218.8	179.5	159.1	154.4	151.4
80°	199.3	94.3	75.8	91.7	99.2	169.9	207.0	155.7	131.2	126.5	122.0
82.5°	82.3	55.8	48.9	61.5	64.6	145.3	185.8	127.7	101.3	140.2	148.9
85°	35.4	30.6	29.1	31.8	36.5	101.9	147.9	97.4	109.4	97.6	77.6
87.5°	10.6	13.0	12.4	12.2	13.4	24.4	78.8	54.2	80.3	30.4	22.8
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)