

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: P1208178

Luminaire Tested: UPW-SA1-040-827-U-SL3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-827-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3103 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

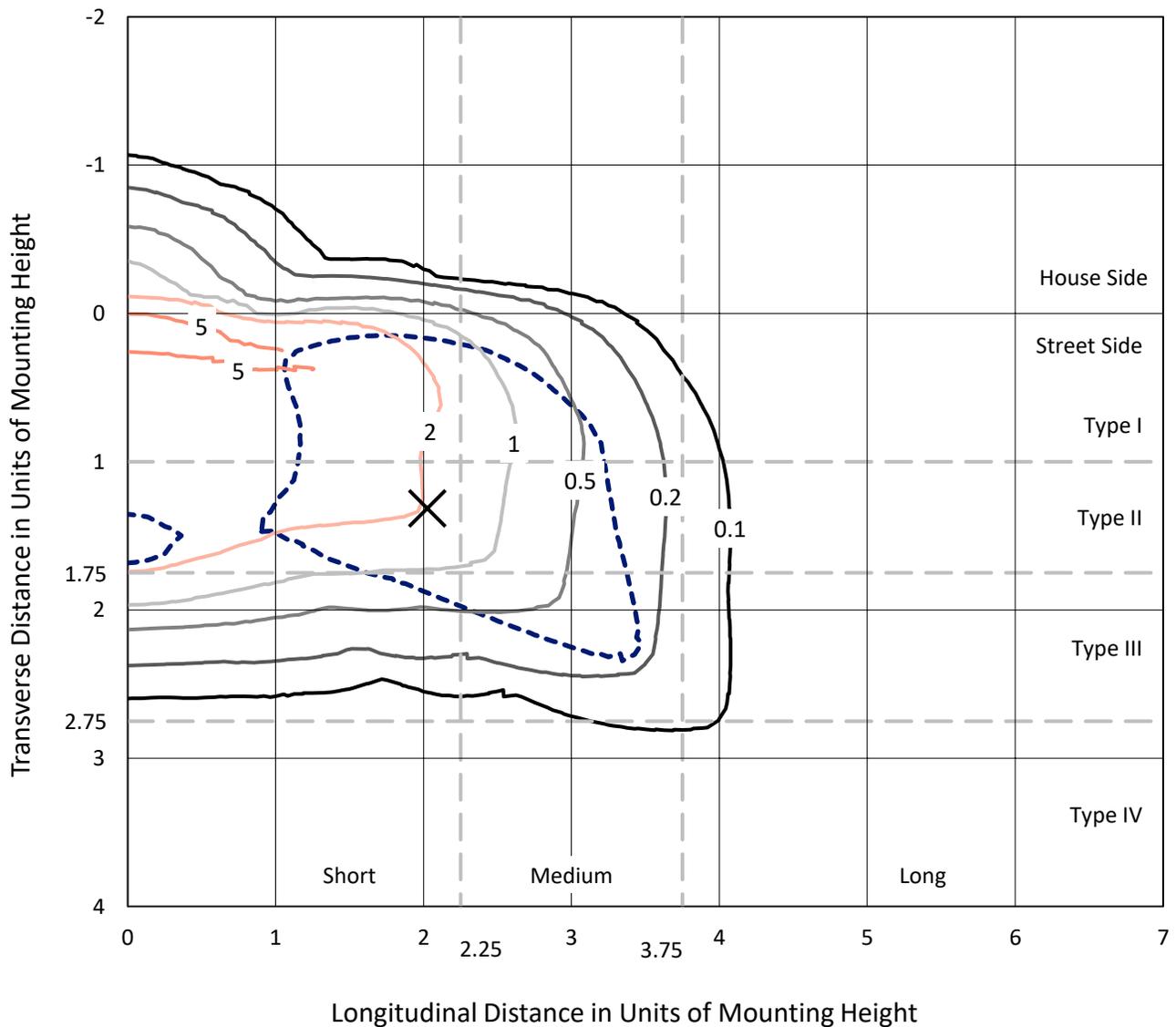
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

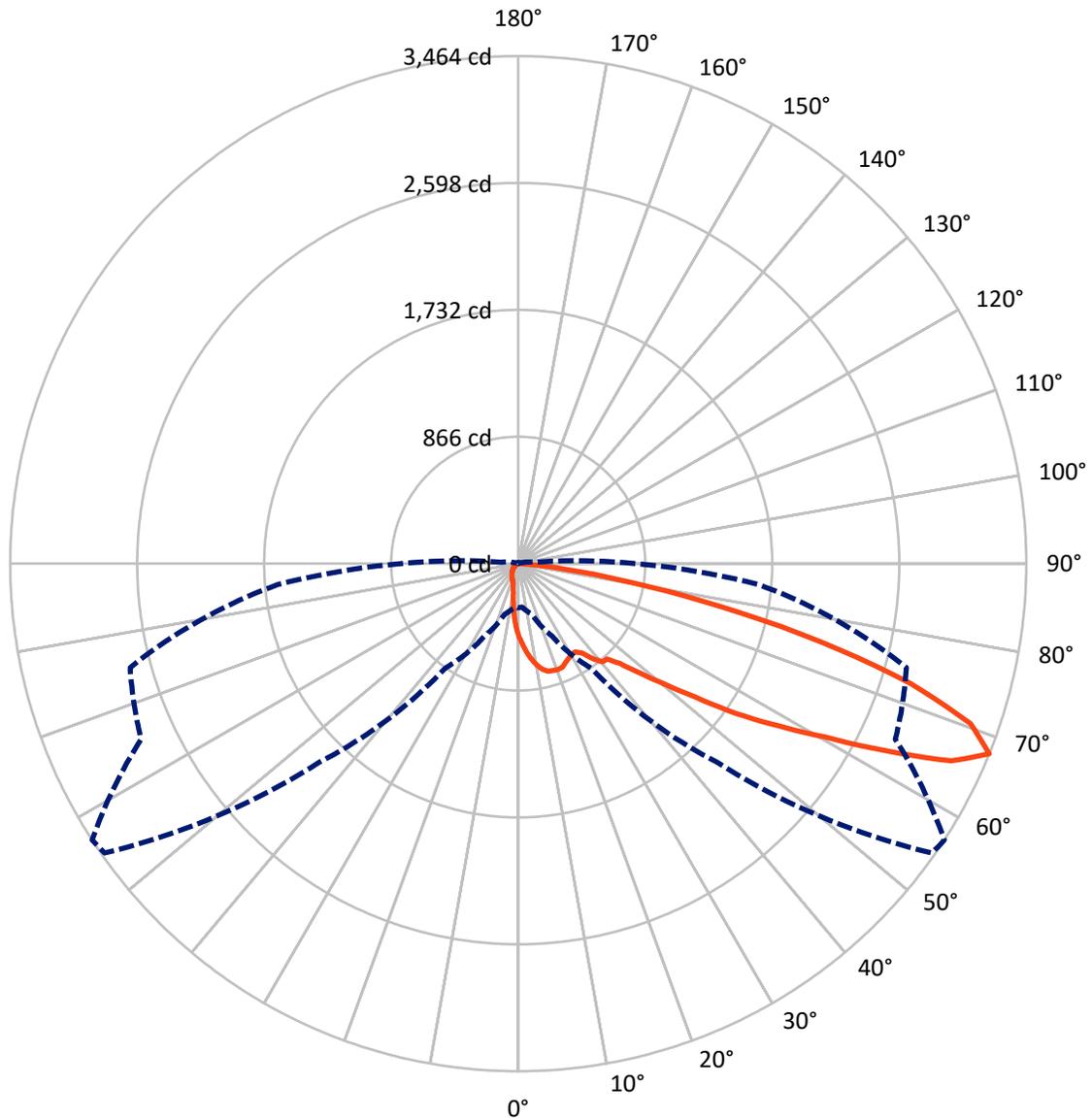
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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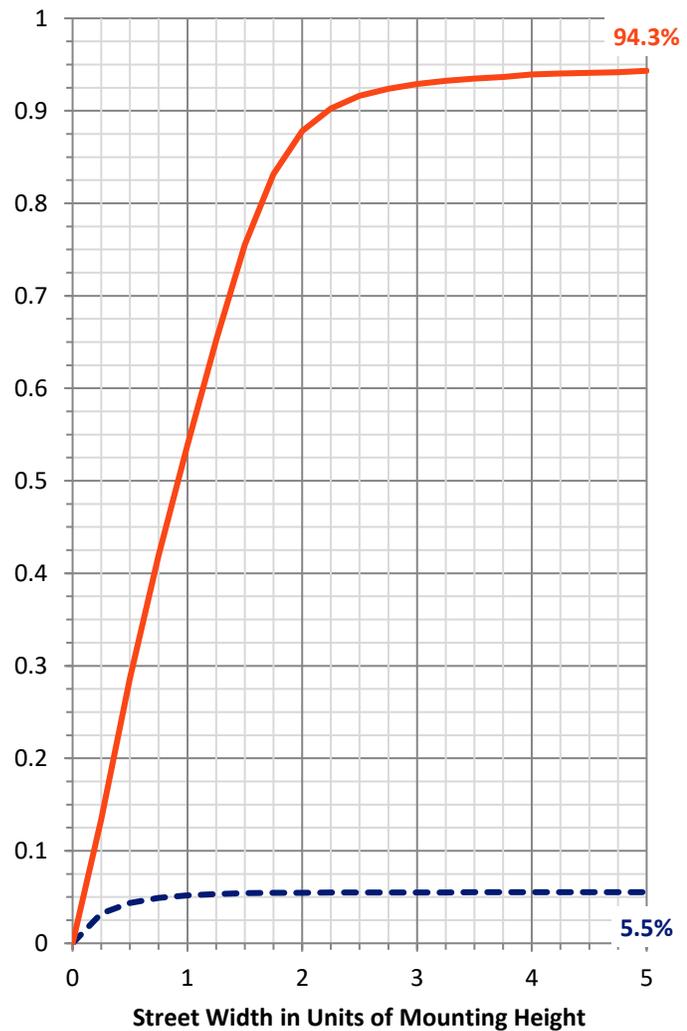
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	172.7	0.0	172.7
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	2930.3	0.0	2930.3
	% Fixture	94.4	0.0	94.4
Total	Lumens	3103.0	0.0	3103.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	1.4
10°-20°	115.4	3.7
20°-30°	168.9	5.4
30°-40°	254.0	8.2
40°-50°	414.4	13.4
50°-60°	784.4	25.3
60°-70°	896.4	28.9
70°-80°	391.3	12.6
80°-90°	33.8	1.1
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°	3103.0	100.0
0°-180°	3103.0	100.0



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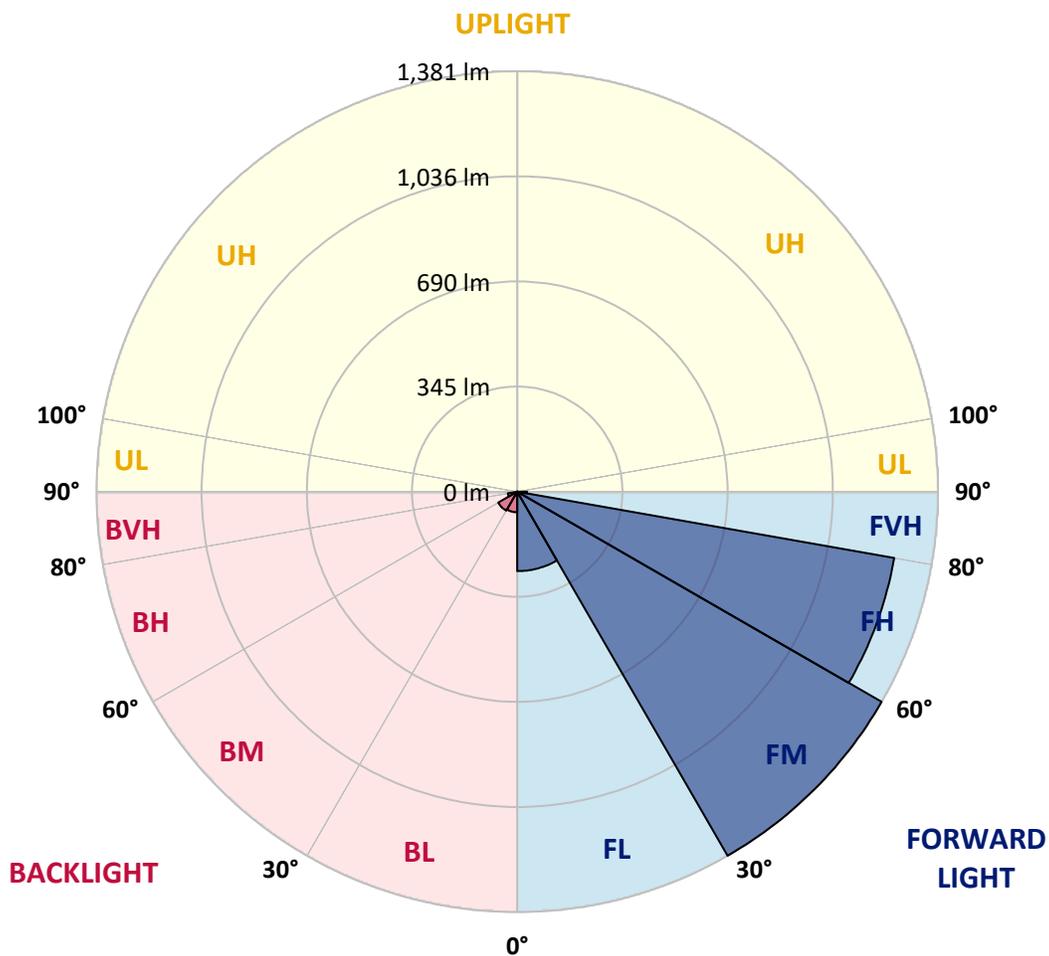
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	260.9	8.4			
FM	(30°-60°)	1380.9	44.5			
FH	(60°-80°)	1256.4	40.5			G1/1800
FVH	(80°-90°)	32.1	1.0			G1/100
BL	(0°-30°)	67.8	2.2	B0/110		
BM	(30°-60°)	72.0	2.3	B0/220		
BH	(60°-80°)	31.3	1.0	B0/110		G0/110
BVH	(80°-90°)	1.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7
2.5°	582.8	587.6	589.5	581.3	573.6	567.8	556.3	549.1	538.0	524.5	505.7
5°	668.5	668.0	663.2	656.9	653.6	635.3	616.0	608.3	590.5	556.8	520.2
7.5°	700.8	703.7	707.0	703.2	697.4	687.8	665.1	659.3	633.3	589.5	538.0
10°	685.8	690.7	696.4	706.5	725.8	729.2	711.8	705.6	674.3	626.1	552.9
12.5°	617.0	624.2	633.8	666.6	711.4	739.3	743.2	741.2	714.7	658.9	563.5
15°	525.5	517.7	542.8	588.1	661.8	725.8	760.5	761.9	748.4	689.7	575.1
17.5°	456.6	463.8	474.9	509.1	585.7	677.7	758.1	767.2	773.5	722.4	588.5
20°	445.0	445.5	450.3	469.1	509.1	619.9	749.9	771.6	804.3	754.7	594.3
22.5°	456.1	453.2	455.6	459.5	484.5	561.1	732.6	767.7	822.6	794.7	606.4
25°	470.6	473.9	469.6	464.8	479.2	534.6	712.3	748.4	850.1	830.3	611.7
27.5°	511.0	512.9	501.4	484.0	489.3	522.6	681.0	733.0	891.5	870.3	620.3
30°	577.0	575.1	551.0	522.6	510.5	530.3	661.3	716.2	913.6	901.1	616.0
32.5°	626.1	622.3	598.7	569.3	548.1	559.7	661.3	718.1	958.4	955.1	624.2
35°	670.4	667.1	637.7	614.1	595.8	606.4	698.4	749.4	1022.5	1055.2	653.1
37.5°	718.6	709.4	686.3	645.4	639.6	680.5	778.3	820.7	1124.1	1148.2	654.1
40°	794.7	787.0	749.9	707.5	676.2	735.9	840.9	881.4	1195.9	1222.9	650.2
42.5°	899.2	880.9	835.1	773.5	723.4	765.8	848.1	890.0	1250.3	1338.9	687.3
45°	1012.9	1007.6	944.0	864.5	811.5	806.2	924.7	971.0	1371.2	1526.3	767.7
47.5°	1177.1	1135.7	1051.9	967.1	921.8	886.2	1042.2	1112.6	1518.6	1745.4	887.6
50°	1350.0	1325.9	1198.3	1081.3	1025.9	1012.9	1228.2	1291.7	1707.4	1992.0	1087.5
52.5°	1644.8	1589.4	1416.9	1269.6	1173.7	1161.2	1430.4	1511.8	1920.3	2286.3	1289.3
55°	1843.2	1809.0	1635.6	1524.4	1398.6	1360.6	1717.0	1806.1	2180.8	2543.0	1491.1
57.5°	1906.8	1864.9	1708.8	1681.8	1652.9	1674.6	2014.2	2088.3	2361.4	2743.4	1669.8
60°	1652.0	1650.5	1561.4	1631.8	1774.8	2025.2	2365.3	2398.0	2507.8	2866.2	1781.1
62.5°	1188.2	1184.3	1202.1	1376.5	1643.3	2262.7	2848.3	2811.7	2635.0	2934.6	1841.3
65°	616.0	618.9	708.5	938.2	1322.1	2244.4	3290.5	3244.2	2713.5	2892.7	1798.9
67.5°	300.5	298.1	356.4	545.7	873.2	1916.4	3442.2	3463.9	2836.8	2739.0	1645.7
70°	149.8	151.7	194.1	288.0	476.8	1376.5	3178.7	3270.7	2723.1	2412.0	1401.5
72.5°	105.5	106.9	132.0	171.0	223.0	835.6	2638.4	2796.8	2272.8	1918.8	987.8
75°	75.6	78.0	96.8	127.6	123.8	419.5	2039.2	2133.1	1647.6	1184.8	523.5
77.5°	54.9	58.3	75.6	98.3	85.7	176.3	1412.1	1409.7	929.5	563.0	211.9
80°	36.1	38.5	55.9	72.7	61.2	81.9	827.4	779.3	411.3	215.8	77.1
82.5°	20.2	21.2	37.6	50.6	42.4	38.5	369.9	341.0	139.2	79.0	36.1
85°	1.4	2.4	22.2	31.8	22.6	19.3	103.5	93.9	44.8	36.1	19.3
87.5°	0.0	0.0	2.9	5.8	3.9	2.9	25.0	21.7	13.5	21.2	9.6
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°	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7
2.5°	498.0	484.5	464.3	444.5	425.3	407.9	395.4	382.9	377.6	365.6	386.3
5°	500.9	476.8	428.6	381.9	341.5	298.1	269.7	249.5	239.4	230.2	230.7
7.5°	503.8	467.2	393.0	314.0	255.7	210.0	184.5	175.3	171.5	166.6	166.6
10°	500.4	451.8	342.0	247.1	187.8	163.3	149.3	145.9	147.9	147.4	148.8
12.5°	500.4	433.5	289.9	192.7	154.1	139.7	135.8	135.3	138.2	140.2	141.1
15°	494.2	405.5	237.9	158.0	134.9	129.6	128.1	128.1	130.0	132.0	131.5
17.5°	488.9	377.6	194.6	135.8	123.3	121.9	120.9	119.9	122.3	124.3	124.7
20°	475.8	338.6	160.4	122.3	115.6	113.7	113.2	112.2	114.6	116.6	118.0
22.5°	457.1	294.3	137.3	112.2	108.8	106.4	105.0	105.5	107.9	109.8	108.8
25°	432.0	255.3	120.4	105.0	100.2	98.7	96.8	97.8	98.3	100.2	101.6
27.5°	404.6	217.2	109.3	99.2	94.4	91.5	89.1	88.6	89.1	91.5	90.5
30°	364.1	184.0	101.6	92.5	87.2	83.3	80.4	79.0	78.5	79.0	79.5
32.5°	333.3	161.8	96.3	87.2	80.4	75.6	72.2	69.4	68.4	67.4	67.4
35°	313.5	149.8	91.0	80.0	73.7	68.9	63.6	60.2	58.3	57.3	57.8
37.5°	271.2	129.1	84.8	74.7	67.4	61.6	56.4	51.1	49.6	50.6	50.6
40°	235.5	110.8	79.0	68.4	60.2	54.9	49.1	42.9	41.9	44.8	45.3
42.5°	222.0	102.6	73.7	62.6	53.9	49.6	41.9	37.1	37.1	39.5	40.0
45°	238.4	100.2	68.9	57.3	48.6	43.8	36.1	31.8	31.8	34.2	34.7
47.5°	290.4	104.0	64.1	52.0	44.8	38.5	29.9	27.9	27.9	28.9	29.4
50°	400.7	116.6	59.2	46.7	40.9	32.8	26.0	24.1	23.6	24.1	24.1
52.5°	540.9	141.6	53.9	41.9	36.1	27.5	22.6	20.7	19.3	19.3	18.8
55°	682.5	168.6	48.6	37.1	31.3	23.6	19.3	17.3	14.9	14.0	13.5
57.5°	807.2	190.2	42.4	32.8	27.0	20.2	16.9	13.0	9.6	7.7	7.7
60°	884.8	196.0	36.6	28.4	22.2	17.3	13.5	8.7	4.8	3.9	3.4
62.5°	899.2	177.7	31.3	24.1	18.8	14.4	9.6	4.8	1.9	0.5	0.5
65°	860.2	140.2	27.0	20.2	15.4	11.6	6.3	2.4	0.0	0.0	0.0
67.5°	794.7	110.3	22.6	16.9	13.0	9.2	3.9	0.5	0.0	0.0	0.0
70°	693.1	88.1	19.7	14.4	11.1	7.7	2.4	0.0	0.0	0.0	0.0
72.5°	510.5	58.3	17.3	13.0	9.6	5.8	1.4	0.0	0.0	0.0	0.0
75°	279.3	37.1	15.9	12.0	9.2	4.8	1.0	0.0	0.0	0.0	0.0
77.5°	113.2	26.0	14.0	11.6	9.2	4.8	1.0	0.0	0.0	0.0	0.0
80°	42.9	18.3	12.0	10.1	8.7	4.8	1.0	0.0	0.0	0.0	0.0
82.5°	22.6	14.9	11.6	10.1	8.2	4.3	0.5	0.0	0.0	0.0	0.0
85°	11.1	4.8	5.8	5.8	6.7	3.9	0.5	0.0	0.0	0.0	0.0
87.5°	2.4	0.0	0.0	0.0	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)