

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: P1207881

Luminaire Tested: UPW-SA1-030-750-U-SL3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207881
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-SA1-030-750-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 615mA 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: 3443 lumens
Efficiency: N/A
Efficacy: 101.3 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

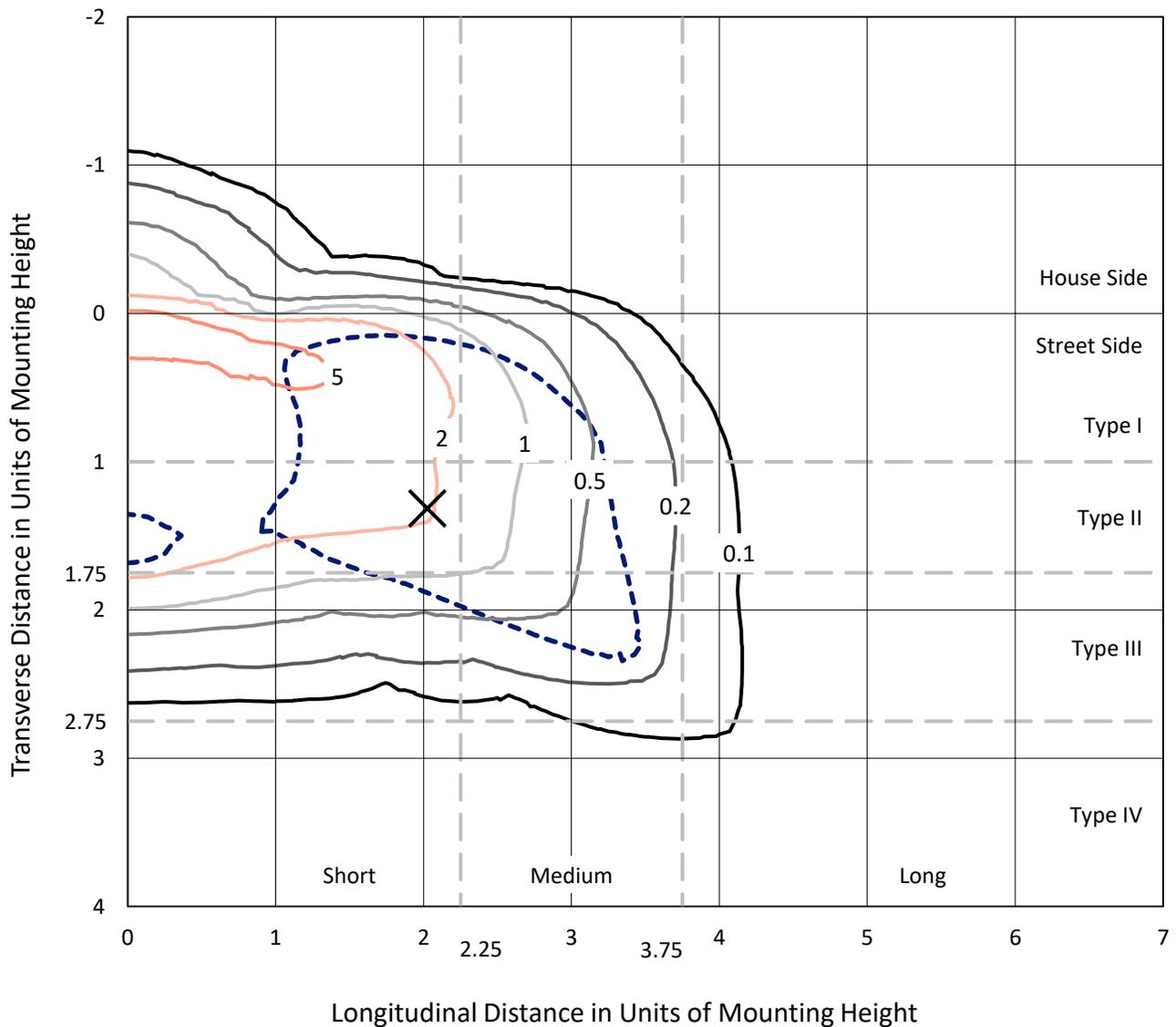
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

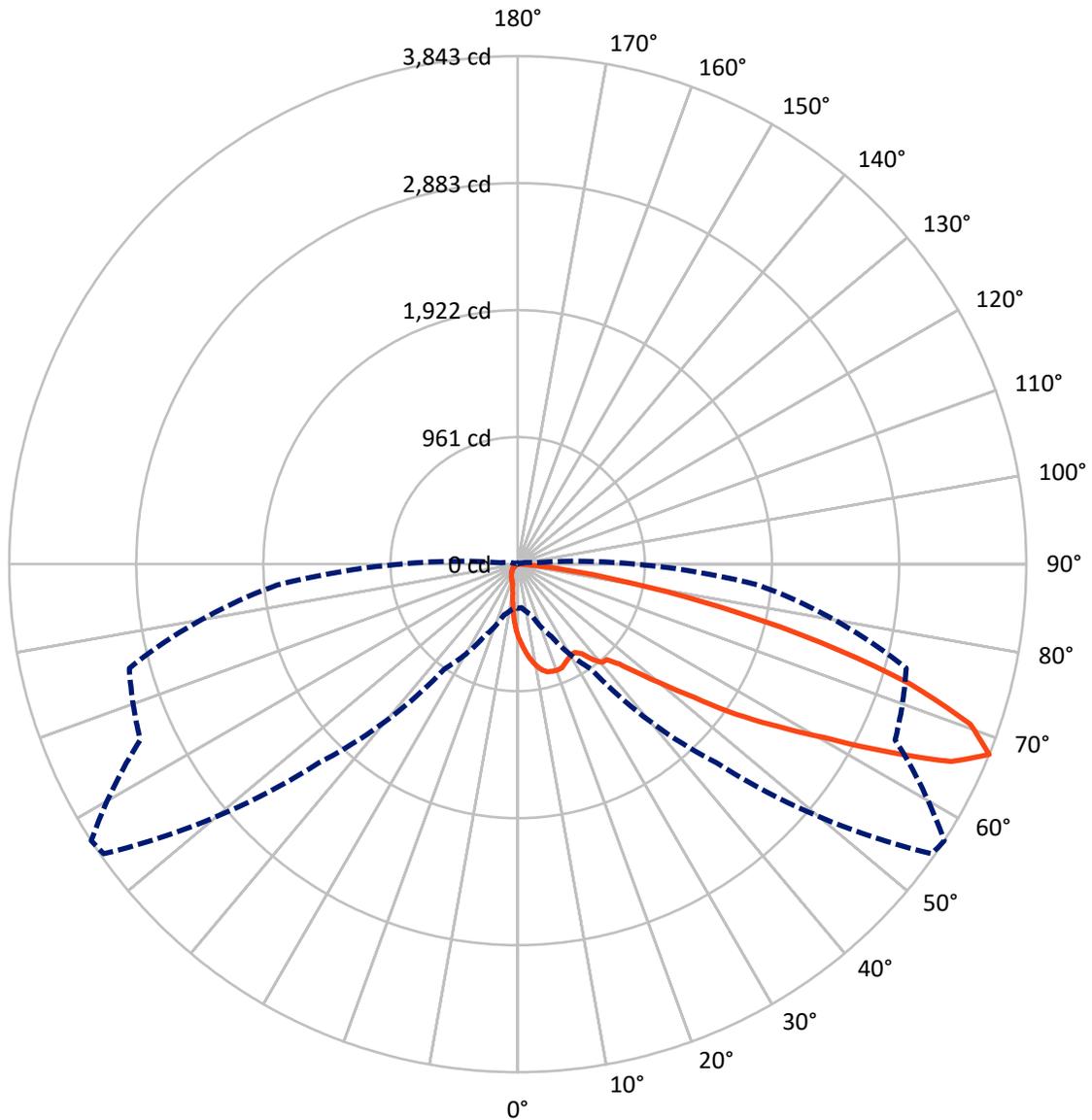
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 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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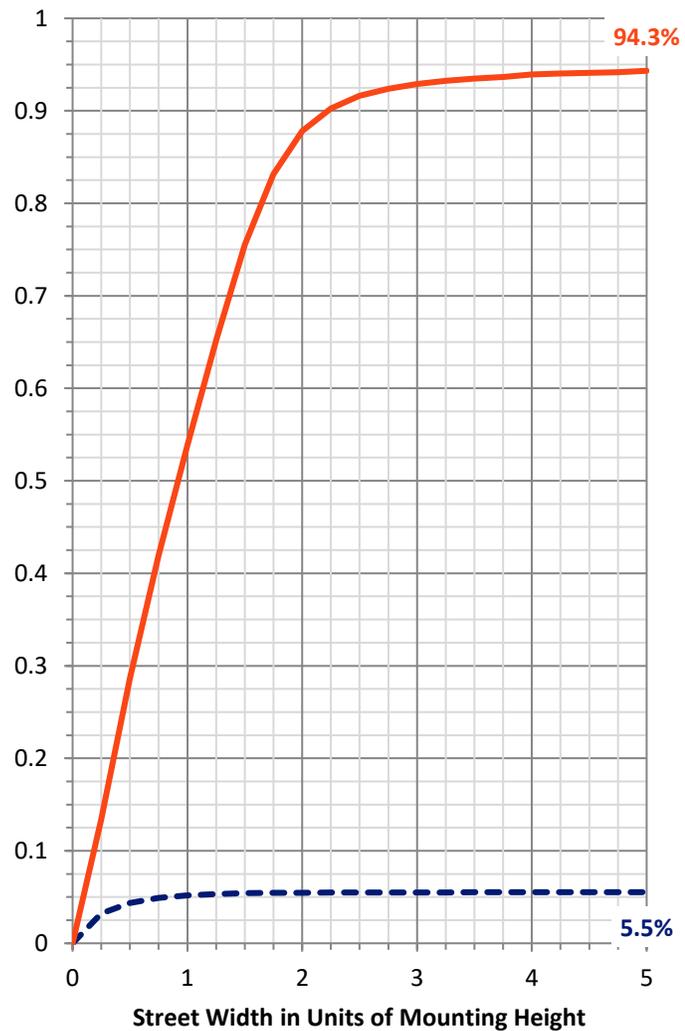
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	191.6	0.0	191.6
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	3251.4	0.0	3251.4
	% Fixture	94.4	0.0	94.4
Total	Lumens	3443.0	0.0	3443.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	1.4
10°-20°	128.1	3.7
20°-30°	187.4	5.4
30°-40°	281.9	8.2
40°-50°	459.8	13.4
50°-60°	870.3	25.3
60°-70°	994.6	28.9
70°-80°	434.1	12.6
80°-90°	37.5	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°	3443.0	100.0
0°-180°	3443.0	100.0

Coefficient of Utilization



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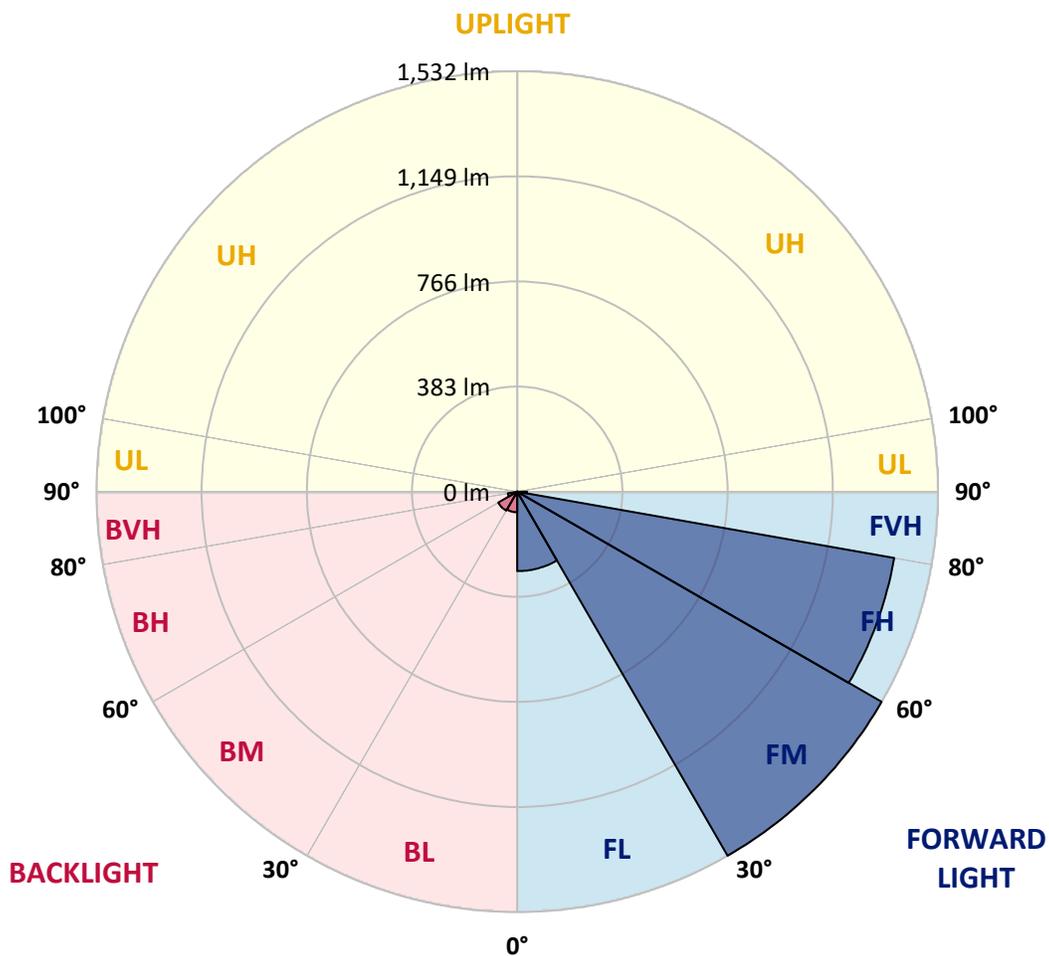
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	289.5	8.4			
FM (30°-60°)	1532.2	44.5			
FH (60°-80°)	1394.0	40.5			G1/1800
FVH (80°-90°)	35.6	1.0			G1/100
BL (0°-30°)	75.2	2.2	B0/110		
BM (30°-60°)	79.8	2.3	B0/220		
BH (60°-80°)	34.7	1.0	B0/110		G0/110
BVH (80°-90°)	1.9	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°	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8
2.5°	646.6	652.0	654.1	645.0	636.5	630.1	617.2	609.2	596.9	582.0	561.1
5°	741.7	741.2	735.9	728.9	725.2	704.9	683.5	674.9	655.2	617.8	577.2
7.5°	777.6	780.8	784.5	780.2	773.8	763.1	738.0	731.6	702.7	654.1	596.9
10°	761.0	766.3	772.7	784.0	805.3	809.1	789.8	782.9	748.2	694.7	613.5
12.5°	684.6	692.6	703.3	739.6	789.3	820.3	824.6	822.4	793.1	731.1	625.2
15°	583.0	574.5	602.3	652.5	734.3	805.3	843.8	845.4	830.5	765.3	638.1
17.5°	506.6	514.6	526.9	564.9	649.8	751.9	841.1	851.3	858.2	801.6	653.0
20°	493.8	494.3	499.7	520.5	564.9	687.8	832.1	856.1	892.4	837.4	659.5
22.5°	506.1	502.9	505.5	509.8	537.6	622.6	812.8	851.8	912.8	881.8	672.8
25°	522.1	525.9	521.0	515.7	531.7	593.2	790.4	830.5	943.2	921.3	678.7
27.5°	567.0	569.1	556.3	537.1	543.0	579.8	755.6	813.4	989.2	965.7	688.3
30°	640.2	638.1	611.4	579.8	566.5	588.4	733.7	794.7	1013.8	999.9	683.5
32.5°	694.7	690.4	664.3	631.7	608.1	621.0	733.7	796.8	1063.5	1059.7	692.6
35°	743.9	740.1	707.5	681.4	661.1	672.8	774.9	831.5	1134.5	1170.9	724.6
37.5°	797.3	787.2	761.5	716.1	709.7	755.1	863.6	910.6	1247.3	1274.0	725.7
40°	881.8	873.2	832.1	785.0	750.3	816.6	933.1	978.0	1326.9	1356.8	721.4
42.5°	997.7	977.4	926.7	858.2	802.7	849.7	941.1	987.6	1387.3	1485.6	762.6
45°	1123.8	1118.0	1047.4	959.2	900.5	894.6	1026.0	1077.4	1521.4	1693.5	851.8
47.5°	1306.1	1260.1	1167.1	1073.1	1022.8	983.3	1156.4	1234.5	1685.0	1936.7	984.9
50°	1497.9	1471.2	1329.6	1199.7	1138.3	1123.8	1362.7	1433.3	1894.4	2210.3	1206.7
52.5°	1825.0	1763.5	1572.2	1408.7	1302.3	1288.4	1587.2	1677.5	2130.7	2536.8	1430.6
55°	2045.2	2007.2	1814.8	1691.4	1551.9	1509.7	1905.1	2004.0	2419.8	2821.6	1654.5
57.5°	2115.7	2069.2	1896.1	1866.1	1834.1	1858.1	2234.9	2317.2	2620.2	3043.9	1852.8
60°	1833.0	1831.4	1732.5	1810.5	1969.3	2247.2	2624.4	2660.8	2782.6	3180.2	1976.2
62.5°	1318.4	1314.1	1333.9	1527.3	1823.4	2510.6	3160.4	3119.8	2923.7	3256.1	2043.0
65°	683.5	686.7	786.1	1041.0	1466.9	2490.3	3651.0	3599.7	3010.8	3209.6	1996.0
67.5°	333.5	330.8	395.5	605.5	968.9	2126.4	3819.4	3843.4	3147.6	3039.1	1826.0
70°	166.2	168.3	215.4	319.6	529.1	1527.3	3527.0	3629.1	3021.5	2676.3	1555.1
72.5°	117.0	118.6	146.4	189.7	247.4	927.2	2927.4	3103.3	2521.8	2129.1	1096.1
75°	83.9	86.6	107.4	141.6	137.3	465.5	2262.7	2366.9	1828.2	1314.6	580.9
77.5°	60.9	64.7	83.9	109.0	95.1	195.6	1566.9	1564.2	1031.4	624.7	235.1
80°	40.1	42.8	62.0	80.7	67.9	90.8	918.1	864.7	456.4	239.4	85.5
82.5°	22.4	23.5	41.7	56.1	47.0	42.8	410.4	378.4	154.4	87.6	40.1
85°	1.6	2.7	24.6	35.3	25.1	21.4	114.9	104.2	49.7	40.1	21.4
87.5°	0.0	0.0	3.2	6.4	4.3	3.2	27.8	24.0	15.0	23.5	10.7
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°	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8
2.5°	552.6	537.6	515.2	493.3	471.9	452.6	438.7	424.8	419.0	405.6	428.6
5°	555.8	529.1	475.6	423.8	378.9	330.8	299.3	276.8	265.6	255.4	256.0
7.5°	559.0	518.4	436.1	348.4	283.8	233.0	204.7	194.5	190.2	184.9	184.9
10°	555.2	501.3	379.4	274.1	208.4	181.2	165.7	161.9	164.1	163.5	165.1
12.5°	555.2	481.0	321.7	213.8	171.0	155.0	150.7	150.2	153.4	155.5	156.6
15°	548.3	450.0	264.0	175.3	149.6	143.8	142.2	142.2	144.3	146.4	145.9
17.5°	542.4	419.0	215.9	150.7	136.8	135.2	134.1	133.1	135.7	137.9	138.4
20°	528.0	375.7	178.0	135.7	128.3	126.1	125.6	124.5	127.2	129.3	130.9
22.5°	507.1	326.5	152.3	124.5	120.8	118.1	116.5	117.0	119.7	121.8	120.8
25°	479.4	283.2	133.6	116.5	111.2	109.6	107.4	108.5	109.0	111.2	112.8
27.5°	448.9	241.0	121.3	110.1	104.7	101.5	98.9	98.3	98.9	101.5	100.5
30°	404.0	204.1	112.8	102.6	96.7	92.5	89.2	87.6	87.1	87.6	88.2
32.5°	369.8	179.6	106.9	96.7	89.2	83.9	80.2	77.0	75.9	74.8	74.8
35°	347.9	166.2	101.0	88.7	81.8	76.4	70.5	66.8	64.7	63.6	64.1
37.5°	300.9	143.2	94.1	82.8	74.8	68.4	62.5	56.6	55.0	56.1	56.1
40°	261.3	122.9	87.6	75.9	66.8	60.9	54.5	47.6	46.5	49.7	50.2
42.5°	246.4	113.8	81.8	69.5	59.9	55.0	46.5	41.1	41.1	43.8	44.4
45°	264.5	111.2	76.4	63.6	54.0	48.6	40.1	35.3	35.3	37.9	38.5
47.5°	322.2	115.4	71.1	57.7	49.7	42.8	33.1	31.0	31.0	32.1	32.6
50°	444.6	129.3	65.7	51.8	45.4	36.3	28.9	26.7	26.2	26.7	26.7
52.5°	600.1	157.1	59.9	46.5	40.1	30.5	25.1	23.0	21.4	21.4	20.8
55°	757.2	187.0	54.0	41.1	34.7	26.2	21.4	19.2	16.6	15.5	15.0
57.5°	895.7	211.1	47.0	36.3	29.9	22.4	18.7	14.4	10.7	8.6	8.6
60°	981.7	217.5	40.6	31.5	24.6	19.2	15.0	9.6	5.3	4.3	3.7
62.5°	997.7	197.2	34.7	26.7	20.8	16.0	10.7	5.3	2.1	0.5	0.5
65°	954.4	155.5	29.9	22.4	17.1	12.8	6.9	2.7	0.0	0.0	0.0
67.5°	881.8	122.4	25.1	18.7	14.4	10.2	4.3	0.5	0.0	0.0	0.0
70°	769.0	97.8	21.9	16.0	12.3	8.6	2.7	0.0	0.0	0.0	0.0
72.5°	566.5	64.7	19.2	14.4	10.7	6.4	1.6	0.0	0.0	0.0	0.0
75°	310.0	41.1	17.6	13.4	10.2	5.3	1.1	0.0	0.0	0.0	0.0
77.5°	125.6	28.9	15.5	12.8	10.2	5.3	1.1	0.0	0.0	0.0	0.0
80°	47.6	20.3	13.4	11.2	9.6	5.3	1.1	0.0	0.0	0.0	0.0
82.5°	25.1	16.6	12.8	11.2	9.1	4.8	0.5	0.0	0.0	0.0	0.0
85°	12.3	5.3	6.4	6.4	7.5	4.3	0.5	0.0	0.0	0.0	0.0
87.5°	2.7	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)