

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: P1207883

Luminaire Tested: UPW-SA1-030-750-U-SL4-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-750-U-SL4-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3627 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

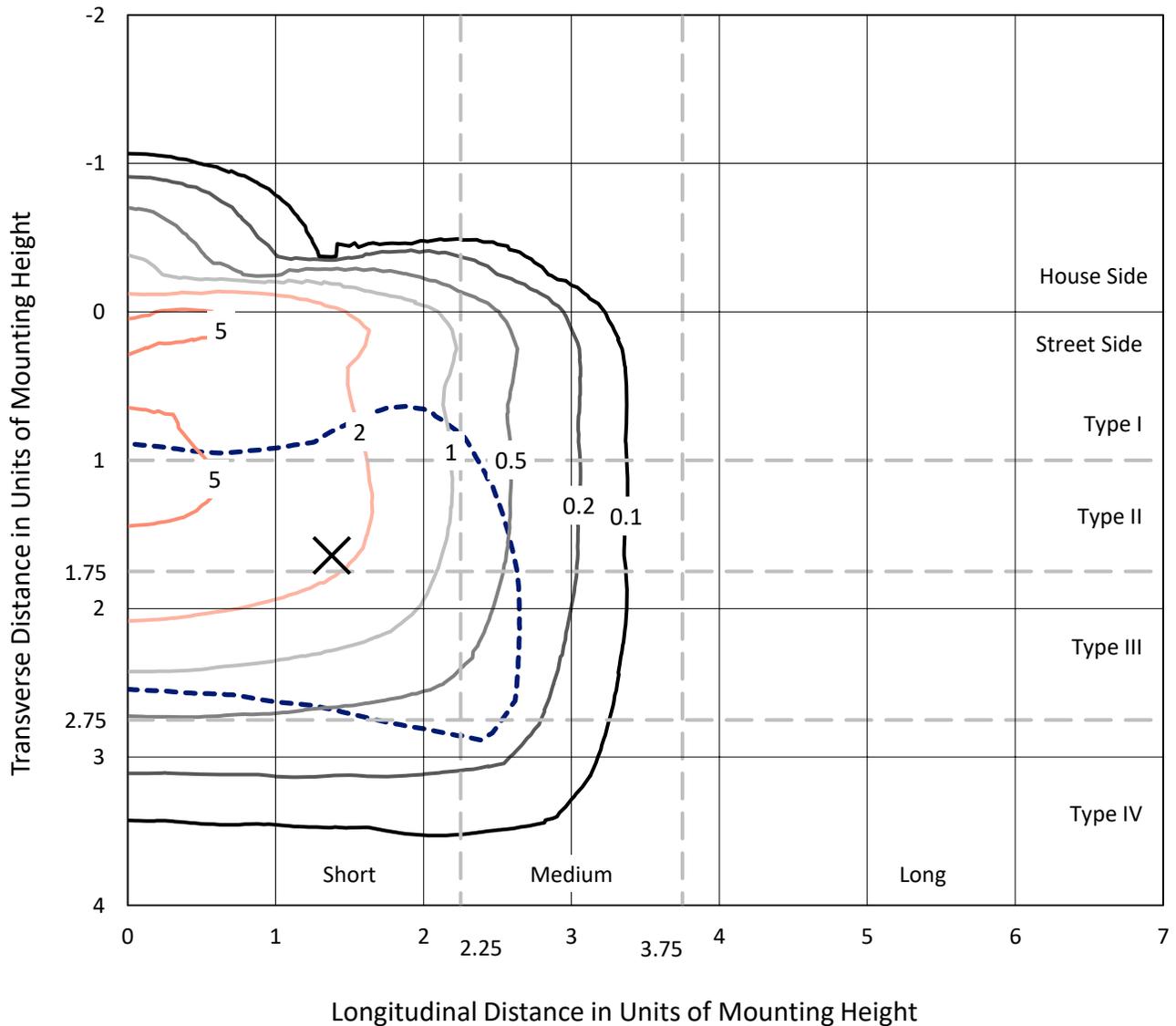
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

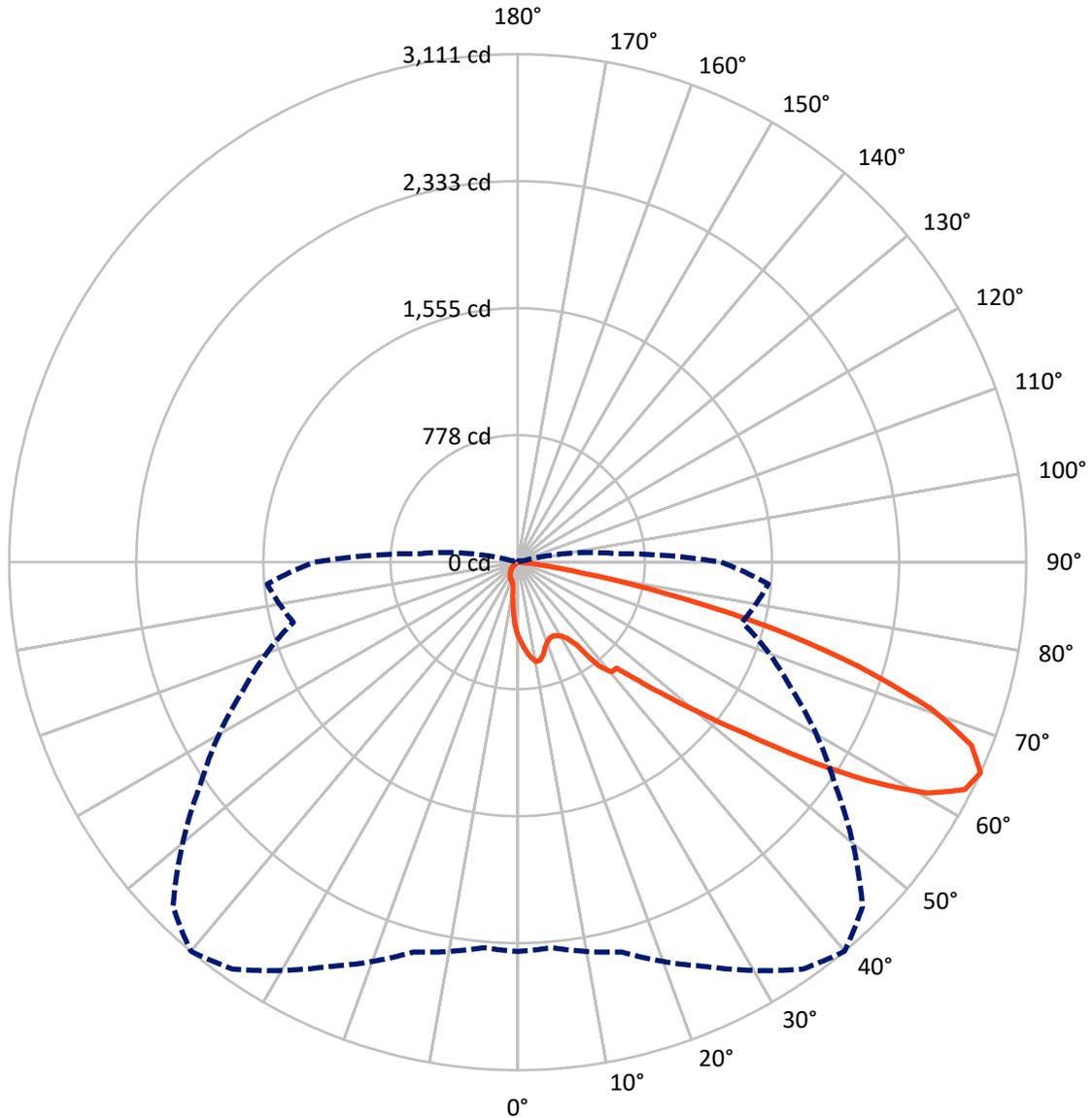
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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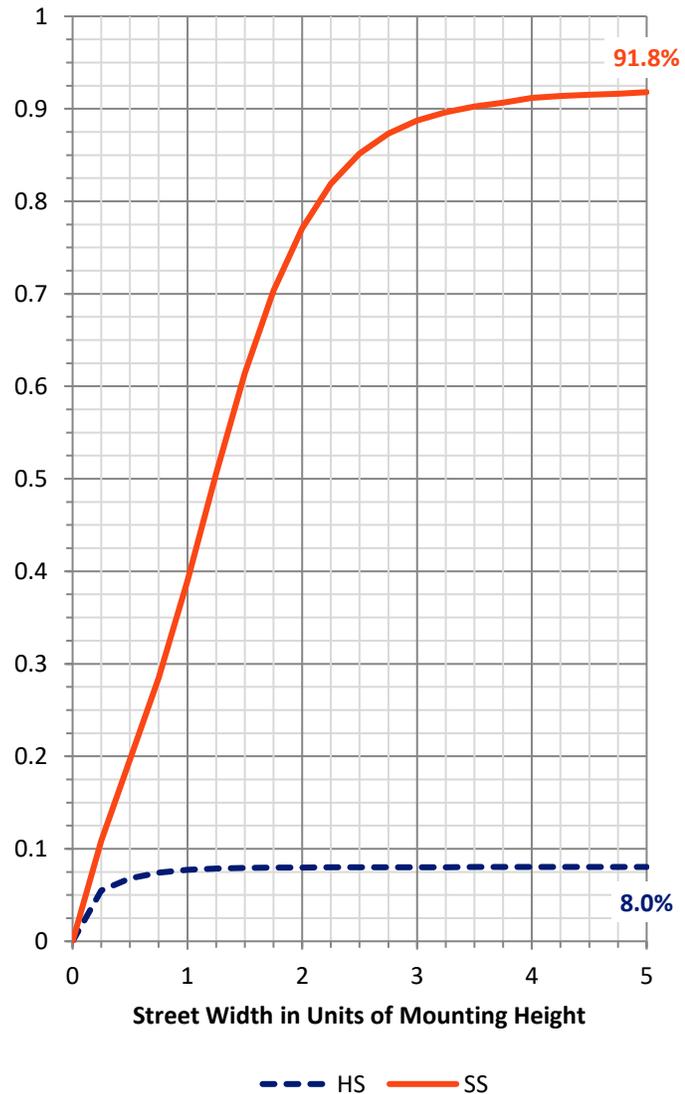
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	293.5	0.0	293.5
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	3333.5	0.0	3333.5
	% Fixture	91.9	0.0	91.9
Total	Lumens	3627.0	0.0	3627.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	1.1
10°-20°	116.8	3.2
20°-30°	182.3	5.0
30°-40°	302.1	8.3
40°-50°	512.3	14.1
50°-60°	902.5	24.9
60°-70°	1124.0	31.0
70°-80°	422.4	11.6
80°-90°	22.9	0.6
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°	3627.0	100.0
0°-180°	3627.0	100.0



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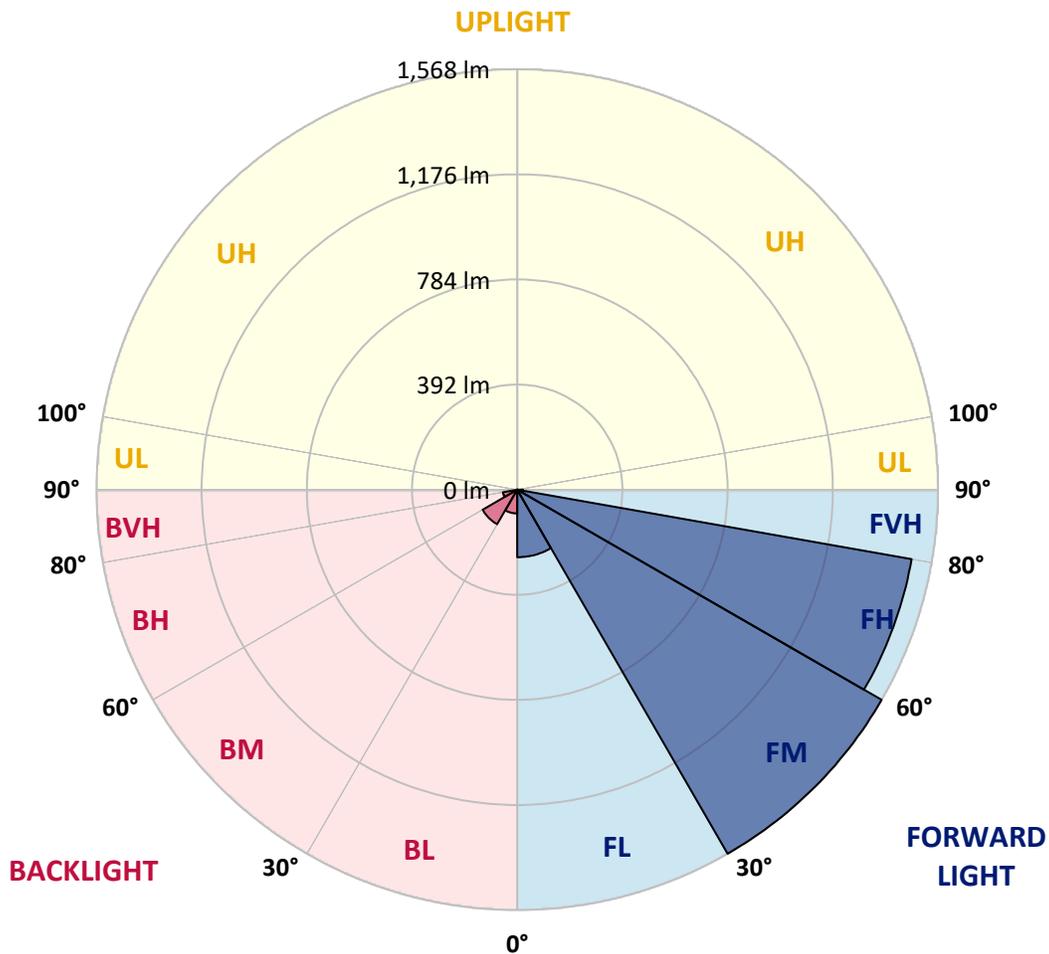
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	251.9	6.9			
FM	(30°-60°)	1567.9	43.2			
FH	(60°-80°)	1492.3	41.1			G1/1800
FVH	(80°-90°)	21.4	0.6			G1/100
BL	(0°-30°)	88.8	2.4	B0/110		
BM	(30°-60°)	149.0	4.1	B0/220		
BH	(60°-80°)	54.2	1.5	B0/110		G0/110
BVH	(80°-90°)	1.5	0.0			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	452.9	452.9	452.9	452.9	452.9	452.9	452.9	452.9	452.9	452.9	452.9
2.5°	512.8	508.5	507.4	505.3	499.9	499.4	498.3	488.7	481.8	474.8	464.2
5°	562.4	559.2	556.6	556.0	552.3	547.5	546.4	533.1	520.2	505.8	483.4
7.5°	598.8	595.6	595.6	595.6	591.3	589.7	589.7	575.8	563.5	541.6	511.2
10°	606.2	604.1	606.2	611.6	616.9	619.1	621.2	618.0	607.8	583.8	547.0
12.5°	587.5	585.4	587.5	595.6	605.7	615.9	629.2	646.3	650.0	633.5	585.4
15°	568.9	566.2	561.9	560.3	571.0	586.5	604.6	651.1	685.3	680.5	629.7
17.5°	557.1	556.6	546.4	532.5	533.6	545.3	568.9	631.9	702.4	722.7	670.9
20°	545.9	544.3	533.1	513.3	509.0	519.7	539.5	605.2	699.2	761.7	713.6
22.5°	540.0	537.9	522.9	499.4	495.1	504.8	522.4	576.3	683.2	784.6	754.2
25°	547.0	545.3	524.0	496.7	493.0	501.0	516.5	560.8	662.3	793.2	786.8
27.5°	570.5	567.2	538.9	506.4	501.6	509.0	521.8	555.5	644.2	790.0	812.9
30°	650.6	638.3	596.1	535.2	520.2	525.1	535.2	562.4	632.4	785.7	842.3
32.5°	806.0	799.6	729.1	618.5	561.9	557.6	564.6	583.8	640.4	808.1	896.8
35°	1076.3	1068.3	968.4	792.7	646.3	622.8	618.5	635.1	701.3	814.0	905.9
37.5°	1286.7	1279.2	1195.4	1063.5	882.9	806.5	756.9	749.9	705.1	786.8	917.1
40°	1389.3	1376.5	1253.6	1075.7	941.1	884.0	829.0	716.8	666.6	770.8	945.9
42.5°	1637.1	1601.9	1457.1	1234.4	991.3	886.7	789.4	670.9	680.5	787.3	990.8
45°	1912.7	1914.9	1739.7	1443.8	1155.9	1030.9	909.1	725.9	730.2	829.5	1050.1
47.5°	2230.5	2193.7	2008.3	1709.2	1361.5	1220.0	1083.8	821.5	800.7	897.3	1129.7
50°	2461.8	2438.3	2294.1	2012.1	1615.2	1454.4	1275.5	965.2	916.0	975.3	1210.3
52.5°	2589.5	2584.1	2512.0	2286.1	1929.3	1742.3	1508.4	1133.4	1057.0	1061.3	1270.2
55°	2689.9	2675.5	2672.3	2561.7	2284.5	2120.0	1815.5	1362.0	1236.0	1145.2	1330.0
57.5°	2790.8	2774.3	2788.2	2768.4	2666.4	2524.8	2184.1	1610.4	1391.9	1234.4	1401.6
60°	2792.4	2775.9	2814.9	2898.2	2943.6	2870.4	2558.0	1881.7	1563.9	1325.7	1498.8
62.5°	2663.7	2647.2	2713.9	2887.5	3077.1	3068.1	2848.0	2141.9	1735.4	1417.1	1579.4
65°	2383.3	2369.9	2472.0	2732.1	3041.4	3110.8	2983.1	2367.8	1851.8	1421.3	1537.8
67.5°	1817.7	1841.7	2014.7	2373.7	2855.5	2994.9	2963.9	2427.1	1794.7	1292.1	1379.1
70°	1173.0	1216.8	1410.1	1833.7	2429.8	2678.7	2694.7	2154.7	1502.0	1050.6	1036.2
72.5°	624.4	632.4	810.8	1186.3	1847.6	2174.5	2198.5	1622.2	1027.7	698.1	565.6
75°	273.5	295.4	396.9	667.1	1231.2	1593.3	1521.7	972.1	530.4	319.4	219.0
77.5°	98.3	106.3	154.4	326.4	694.9	932.6	869.0	462.0	214.2	141.5	64.1
80°	47.5	48.1	62.0	124.5	290.6	393.1	341.8	163.4	97.7	79.6	25.1
82.5°	16.0	19.8	35.3	49.1	107.9	134.1	98.8	60.9	58.2	60.4	17.6
85°	0.0	0.5	17.6	26.7	27.8	31.5	25.1	26.7	35.8	36.3	5.9
87.5°	0.0	0.0	0.0	5.3	5.9	5.9	3.2	6.4	15.0	17.6	1.1
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°	452.9	452.9	452.9	452.9	452.9	452.9	452.9	452.9	452.9	452.9	452.9
2.5°	457.8	451.3	438.5	427.8	413.4	403.3	392.6	387.8	384.6	371.2	370.2
5°	471.1	456.7	427.3	395.3	363.7	332.8	303.4	286.8	272.4	266.5	259.6
7.5°	490.9	469.0	417.2	362.1	302.9	254.8	222.2	204.0	189.1	186.4	184.3
10°	518.1	485.0	408.6	319.4	236.1	190.7	164.0	152.2	147.4	146.4	144.7
12.5°	548.0	505.3	399.0	269.7	184.8	146.4	135.1	135.1	137.8	138.9	138.9
15°	586.5	528.8	380.8	225.4	148.5	128.2	127.7	129.8	132.5	133.5	134.1
17.5°	620.1	553.4	357.9	184.8	127.7	121.8	122.9	124.5	127.1	129.3	129.3
20°	656.4	575.8	334.4	152.2	117.5	115.9	117.0	119.1	122.3	123.9	124.5
22.5°	688.5	593.4	307.1	130.9	110.6	110.6	112.2	114.3	118.0	120.7	120.7
25°	715.2	607.3	277.7	116.4	104.2	104.7	106.3	109.5	113.2	115.9	116.4
27.5°	736.0	614.3	244.1	104.7	97.7	97.7	100.4	104.2	109.0	112.2	112.2
30°	762.7	624.9	218.5	96.1	90.8	90.8	92.9	97.7	104.2	108.4	108.4
32.5°	802.8	643.6	191.2	88.7	84.4	84.4	86.5	90.8	97.2	102.6	103.6
35°	809.2	635.1	163.4	82.8	78.5	78.0	79.1	82.8	88.1	91.9	93.5
37.5°	819.4	635.1	137.3	76.4	72.6	72.1	72.6	74.2	76.4	77.4	76.9
40°	841.8	639.4	115.4	71.0	67.3	66.2	65.7	65.2	63.0	60.4	59.8
42.5°	877.0	650.6	96.7	65.2	61.4	60.4	58.8	55.0	50.2	46.5	46.5
45°	919.2	660.7	81.2	60.4	56.1	55.0	50.2	44.3	38.5	35.8	35.8
47.5°	971.1	673.0	68.9	56.1	51.8	49.1	41.1	34.2	29.4	28.3	28.3
50°	1030.9	680.5	58.2	51.3	47.5	42.7	32.6	26.7	23.0	22.4	22.4
52.5°	1072.5	680.0	49.7	47.0	43.3	35.8	26.2	21.4	18.7	17.6	17.6
55°	1112.6	672.5	41.7	41.7	37.4	28.8	21.4	17.6	15.0	13.9	13.4
57.5°	1161.2	668.7	35.8	34.7	30.4	23.5	17.6	14.4	11.8	9.6	9.1
60°	1238.7	675.1	29.9	27.8	24.0	18.7	14.4	11.2	8.5	5.9	5.3
62.5°	1290.5	668.7	24.6	22.4	19.2	15.0	10.7	8.0	4.8	3.2	2.7
65°	1242.4	597.2	20.8	18.2	15.5	11.8	8.0	5.3	2.1	0.5	0.0
67.5°	1074.1	477.0	17.6	15.0	12.3	9.1	5.9	3.2	0.5	0.0	0.0
70°	780.9	321.5	15.5	12.3	9.6	7.5	4.3	1.6	0.0	0.0	0.0
72.5°	408.6	151.2	13.9	11.2	8.5	5.9	3.2	1.1	0.0	0.0	0.0
75°	143.1	54.5	12.8	10.7	7.5	4.8	2.7	1.1	0.0	0.0	0.0
77.5°	44.9	24.6	12.8	11.2	8.0	4.8	2.7	1.1	0.0	0.0	0.0
80°	20.3	16.0	11.8	10.7	7.5	4.8	2.7	0.5	0.0	0.0	0.0
82.5°	14.4	12.8	11.2	9.6	6.9	4.3	2.1	0.5	0.0	0.0	0.0
85°	5.3	4.3	4.3	5.3	4.8	2.7	1.1	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	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)