

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: P1207856

Luminaire Tested: UPW-SA1-030-740-U-SL4-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-740-U-SL4-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 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: 3626 lumens
Efficiency: N/A
Efficacy: 106.6 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

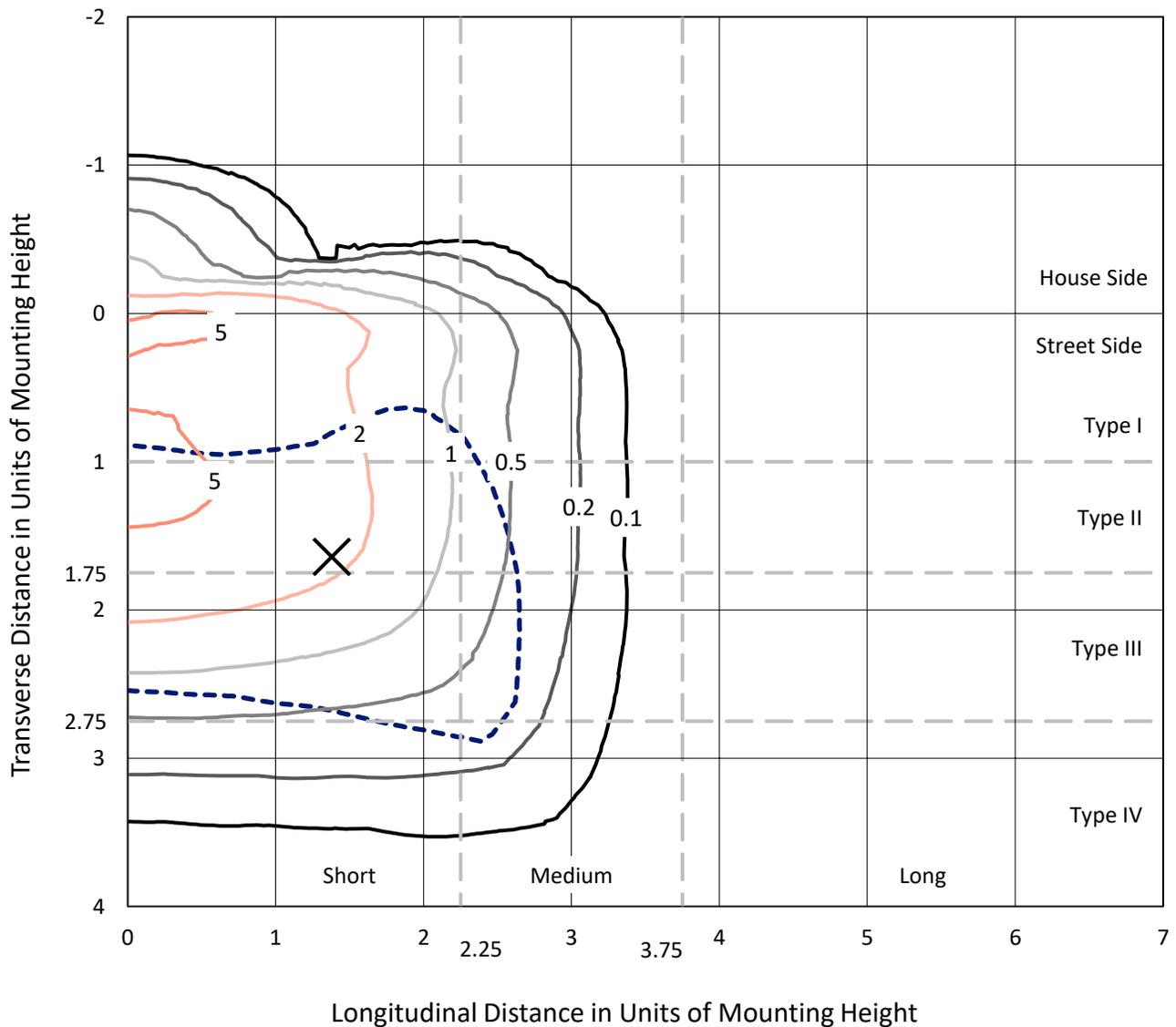
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

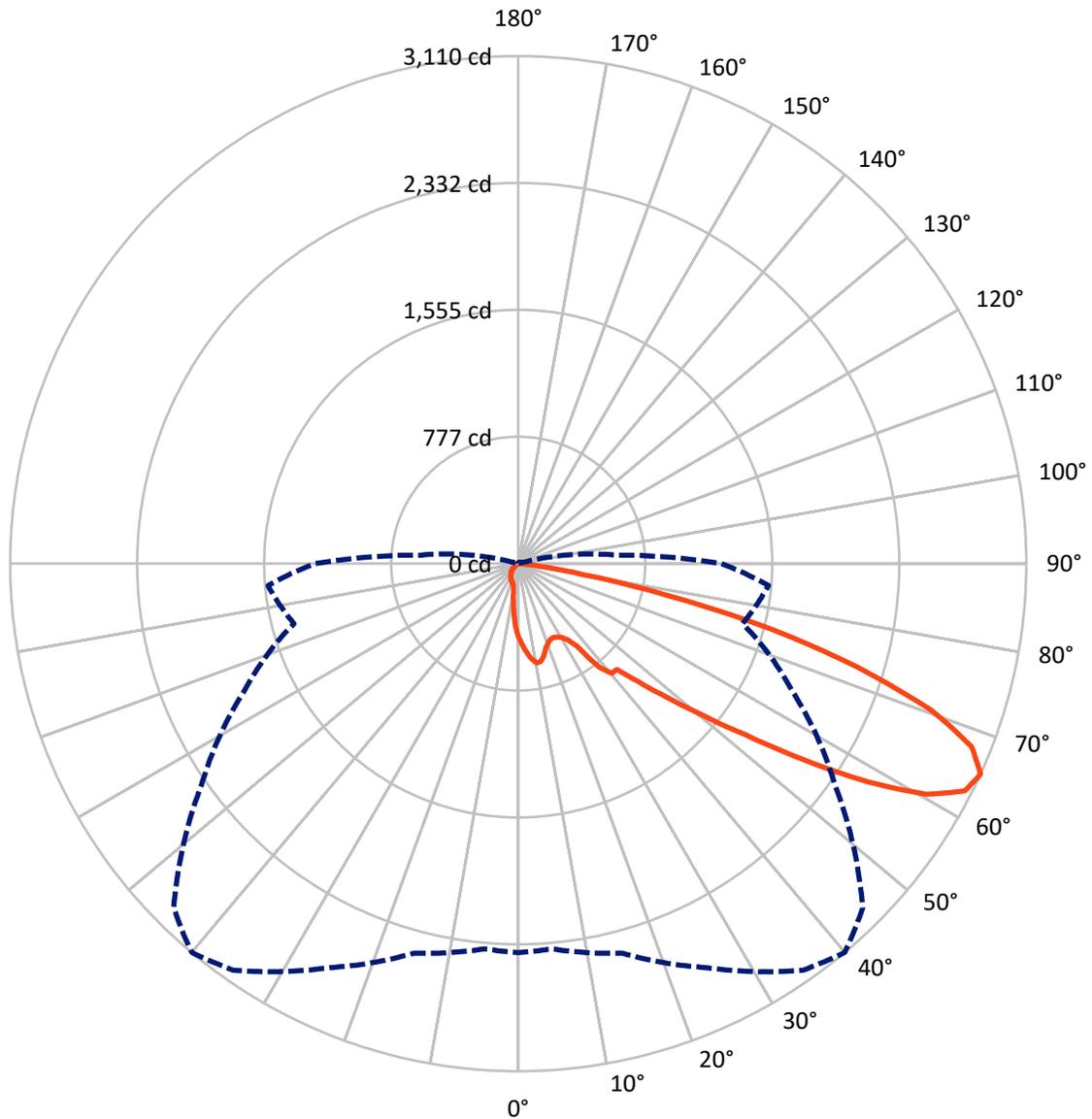
✕ Max cd
 - - - 1/2 Max cd



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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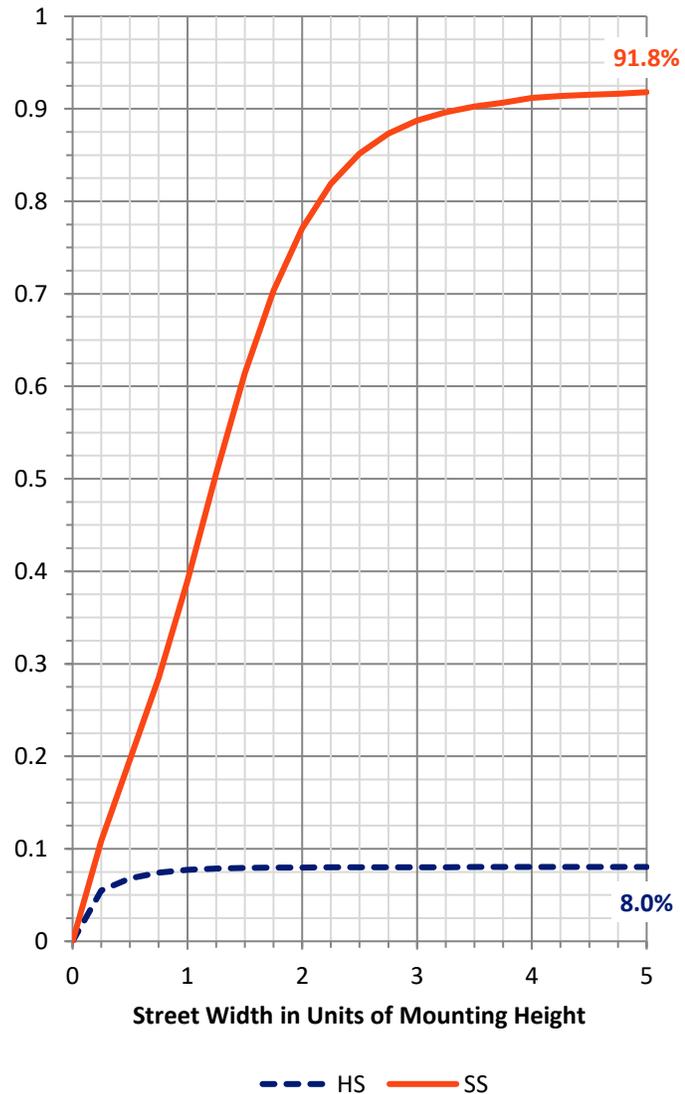
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	293.5	0.0	293.5
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	3332.5	0.0	3332.5
	% Fixture	91.9	0.0	91.9
Total	Lumens	3626.0	0.0	3626.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	1.1
10°-20°	116.8	3.2
20°-30°	182.3	5.0
30°-40°	302.1	8.3
40°-50°	512.2	14.1
50°-60°	902.2	24.9
60°-70°	1123.7	31.0
70°-80°	422.3	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°	3626.0	100.0
0°-180°	3626.0	100.0



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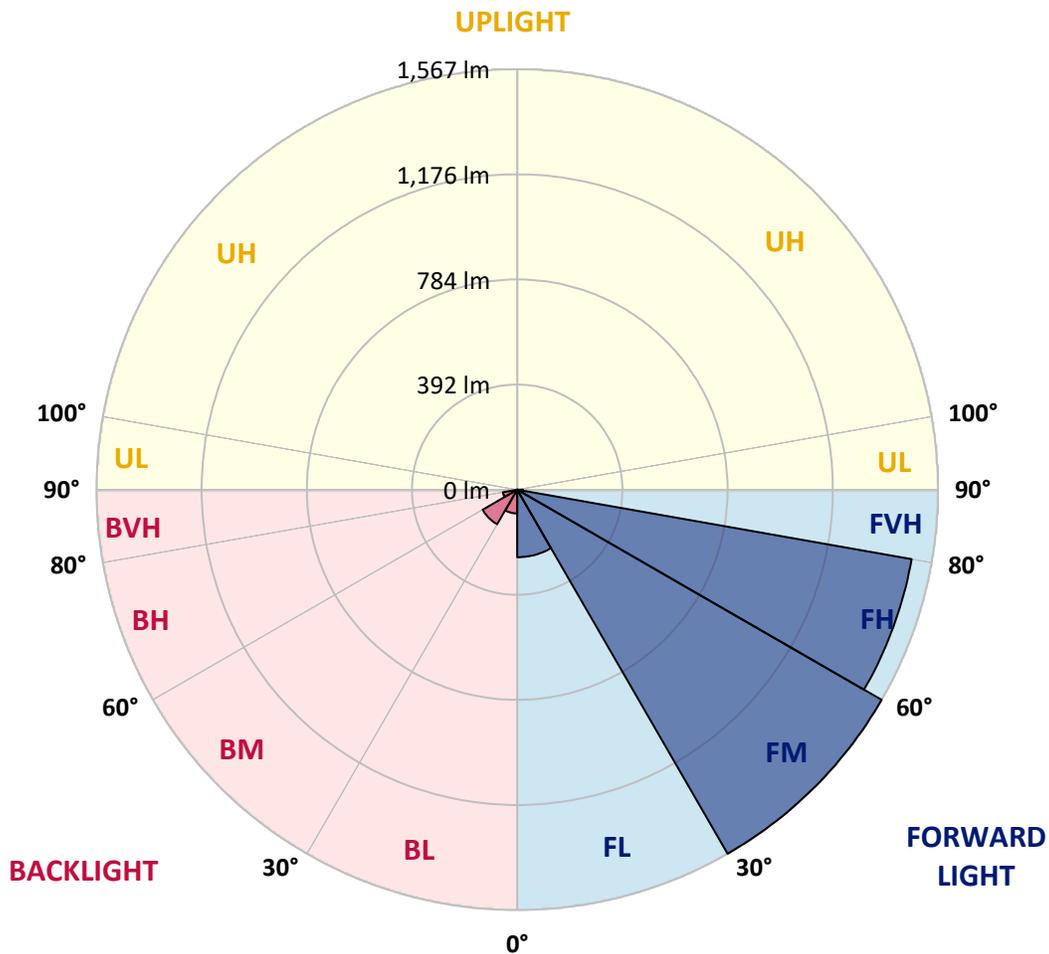
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	251.8	6.9			
FM	(30°-60°)	1567.5	43.2			
FH	(60°-80°)	1491.9	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°	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8
2.5°	512.6	508.4	507.3	505.2	499.8	499.3	498.2	488.6	481.7	474.7	464.0
5°	562.3	559.1	556.4	555.9	552.1	547.3	546.3	532.9	520.1	505.7	483.3
7.5°	598.6	595.4	595.4	595.4	591.1	589.5	589.5	575.6	563.4	541.5	511.0
10°	606.1	603.9	606.1	611.4	616.8	618.9	621.0	617.8	607.7	583.6	546.8
12.5°	587.4	585.2	587.4	595.4	605.5	615.7	629.0	646.1	649.9	633.3	585.2
15°	568.7	566.0	561.8	560.2	570.8	586.3	604.5	650.9	685.1	680.3	629.6
17.5°	556.9	556.4	546.3	532.4	533.5	545.2	568.7	631.7	702.2	722.5	670.7
20°	545.7	544.1	532.9	513.2	508.9	519.6	539.3	605.0	699.0	761.5	713.4
22.5°	539.9	537.7	522.8	499.3	495.0	504.6	522.2	576.2	683.0	784.4	754.0
25°	546.8	545.2	523.8	496.6	492.9	500.9	516.4	560.7	662.1	793.0	786.6
27.5°	570.3	567.1	538.8	506.2	501.4	508.9	521.7	555.3	644.0	789.8	812.7
30°	650.4	638.1	595.9	535.1	520.1	524.9	535.1	562.3	632.2	785.5	842.1
32.5°	805.8	799.4	728.9	618.4	561.8	557.5	564.4	583.6	640.2	807.9	896.6
35°	1076.0	1068.0	968.1	792.4	646.1	622.6	618.4	634.9	701.1	813.8	905.6
37.5°	1286.4	1278.9	1195.1	1063.2	882.7	806.3	756.7	749.7	704.9	786.6	916.9
40°	1388.9	1376.1	1253.3	1075.4	940.9	883.7	828.7	716.6	666.4	770.5	945.7
42.5°	1636.7	1601.4	1456.7	1234.0	991.1	886.4	789.2	670.7	680.3	787.1	990.5
45°	1912.2	1914.3	1739.2	1443.4	1155.5	1030.6	908.8	725.7	730.0	829.3	1049.8
47.5°	2229.9	2193.1	2007.8	1708.8	1361.1	1219.6	1083.5	821.3	800.4	897.1	1129.4
50°	2461.1	2437.6	2293.5	2011.5	1614.8	1454.0	1275.2	964.9	915.8	975.1	1210.0
52.5°	2588.8	2583.4	2511.3	2285.5	1928.8	1741.9	1508.0	1133.1	1056.8	1061.0	1269.8
55°	2689.1	2674.7	2671.5	2561.0	2283.9	2119.4	1815.0	1361.7	1235.6	1144.9	1329.6
57.5°	2790.1	2773.5	2787.4	2767.6	2665.7	2524.1	2183.5	1610.0	1391.6	1234.0	1401.2
60°	2791.7	2775.1	2814.1	2897.4	2942.8	2869.6	2557.3	1881.2	1563.5	1325.4	1498.4
62.5°	2663.0	2646.4	2713.2	2886.7	3076.3	3067.2	2847.2	2141.3	1734.9	1416.7	1579.0
65°	2382.6	2369.3	2471.3	2731.3	3040.5	3109.9	2982.3	2367.2	1851.3	1420.9	1537.3
67.5°	1817.2	1841.2	2014.2	2373.0	2854.7	2994.1	2963.1	2426.4	1794.2	1291.7	1378.7
70°	1172.6	1216.4	1409.7	1833.2	2429.1	2677.9	2694.0	2154.1	1501.6	1050.3	1035.9
72.5°	624.2	632.2	810.6	1186.0	1847.1	2173.9	2197.9	1621.7	1027.4	697.9	565.5
75°	273.4	295.3	396.8	666.9	1230.8	1592.9	1521.3	971.9	530.2	319.3	218.9
77.5°	98.3	106.3	154.3	326.3	694.7	932.3	868.8	461.9	214.1	141.5	64.1
80°	47.5	48.1	61.9	124.4	290.5	393.0	341.8	163.4	97.7	79.6	25.1
82.5°	16.0	19.8	35.2	49.1	107.9	134.0	98.8	60.9	58.2	60.3	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°	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8
2.5°	457.6	451.2	438.4	427.7	413.3	403.2	392.5	387.7	384.5	371.1	370.1
5°	471.0	456.6	427.2	395.1	363.6	332.7	303.3	286.8	272.3	266.5	259.5
7.5°	490.7	468.8	417.0	362.0	302.8	254.7	222.1	204.0	189.0	186.4	184.2
10°	518.0	484.9	408.5	319.3	236.0	190.6	163.9	152.2	147.4	146.3	144.7
12.5°	547.9	505.2	398.9	269.7	184.8	146.3	135.1	135.1	137.8	138.8	138.8
15°	586.3	528.6	380.7	225.3	148.4	128.2	127.6	129.8	132.4	133.5	134.0
17.5°	620.0	553.2	357.8	184.8	127.6	121.7	122.8	124.4	127.1	129.2	129.2
20°	656.3	575.6	334.3	152.2	117.5	115.9	116.9	119.1	122.3	123.9	124.4
22.5°	688.3	593.3	307.0	130.8	110.5	110.5	112.1	114.3	118.0	120.7	120.7
25°	715.0	607.1	277.7	116.4	104.1	104.7	106.3	109.5	113.2	115.9	116.4
27.5°	735.8	614.1	244.0	104.7	97.7	97.7	100.4	104.1	108.9	112.1	112.1
30°	762.5	624.8	218.4	96.1	90.8	90.8	92.9	97.7	104.1	108.4	108.4
32.5°	802.6	643.5	191.2	88.6	84.4	84.4	86.5	90.8	97.2	102.5	103.6
35°	809.0	634.9	163.4	82.8	78.5	78.0	79.0	82.8	88.1	91.8	93.4
37.5°	819.1	634.9	137.2	76.4	72.6	72.1	72.6	74.2	76.4	77.4	76.9
40°	841.6	639.2	115.3	71.0	67.3	66.2	65.7	65.1	63.0	60.3	59.8
42.5°	876.8	650.4	96.7	65.1	61.4	60.3	58.7	55.0	50.2	46.5	46.5
45°	919.0	660.5	81.2	60.3	56.1	55.0	50.2	44.3	38.4	35.8	35.8
47.5°	970.8	672.8	68.9	56.1	51.8	49.1	41.1	34.2	29.4	28.3	28.3
50°	1030.6	680.3	58.2	51.3	47.5	42.7	32.6	26.7	23.0	22.4	22.4
52.5°	1072.2	679.8	49.7	47.0	43.3	35.8	26.2	21.4	18.7	17.6	17.6
55°	1112.3	672.3	41.7	41.7	37.4	28.8	21.4	17.6	15.0	13.9	13.3
57.5°	1160.9	668.5	35.8	34.7	30.4	23.5	17.6	14.4	11.7	9.6	9.1
60°	1238.3	675.0	29.9	27.8	24.0	18.7	14.4	11.2	8.5	5.9	5.3
62.5°	1290.1	668.5	24.6	22.4	19.2	15.0	10.7	8.0	4.8	3.2	2.7
65°	1242.0	597.0	20.8	18.2	15.5	11.7	8.0	5.3	2.1	0.5	0.0
67.5°	1073.8	476.8	17.6	15.0	12.3	9.1	5.9	3.2	0.5	0.0	0.0
70°	780.7	321.5	15.5	12.3	9.6	7.5	4.3	1.6	0.0	0.0	0.0
72.5°	408.5	151.1	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	11.7	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)