

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: P1208278

Luminaire Tested: UPW-SA1-060-727-U-T4W-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-727-U-T4W-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4580 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

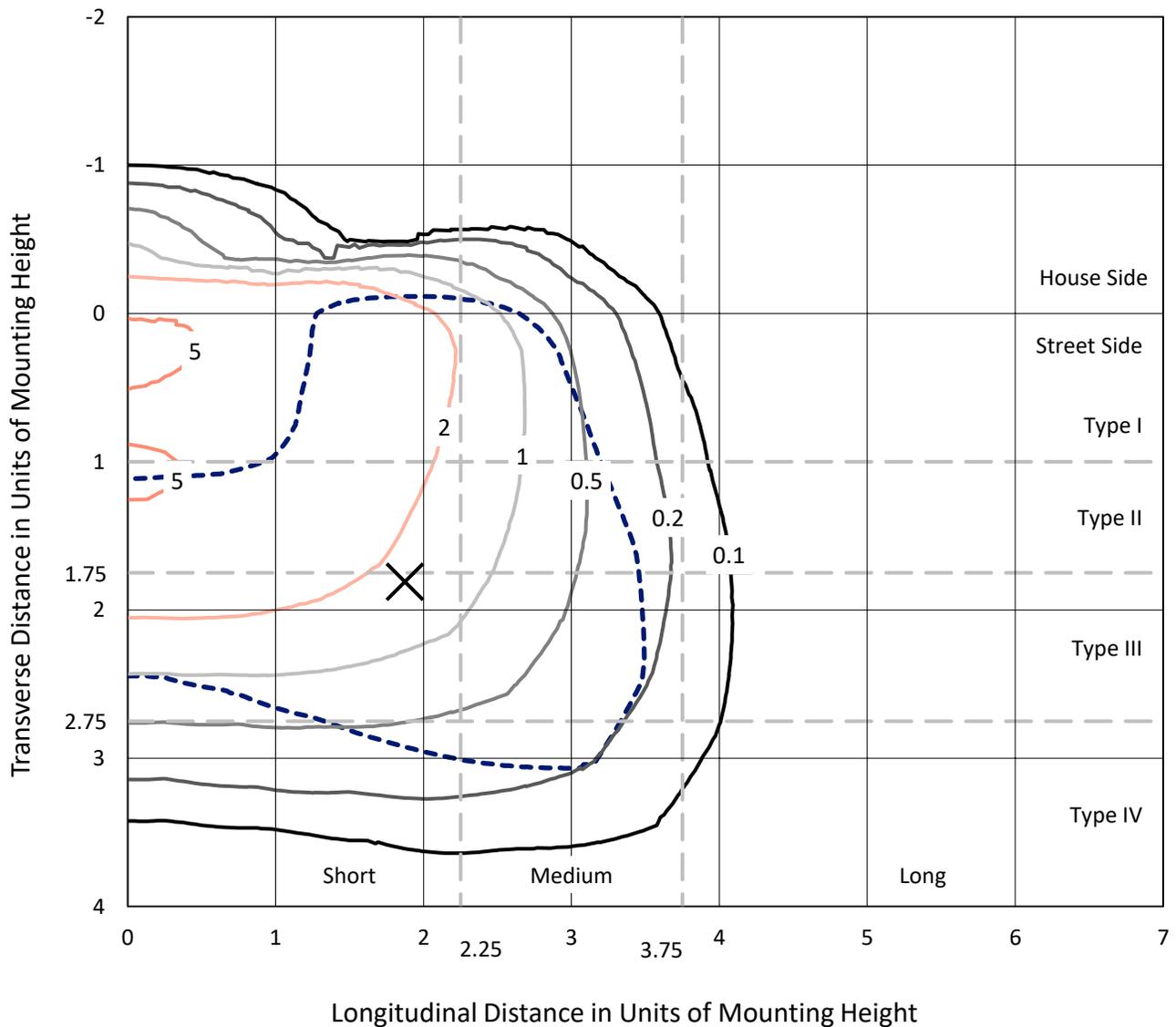
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

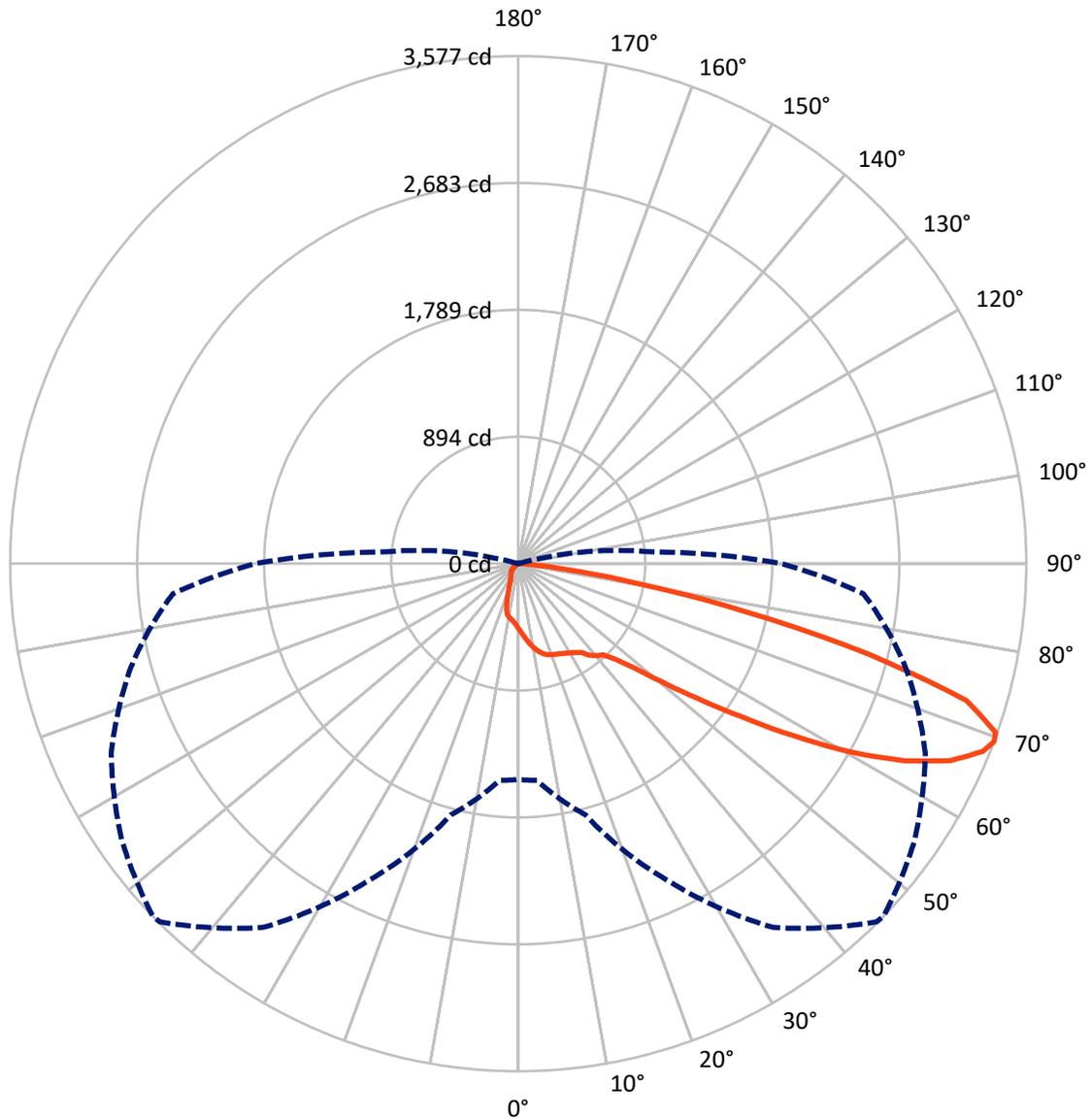


Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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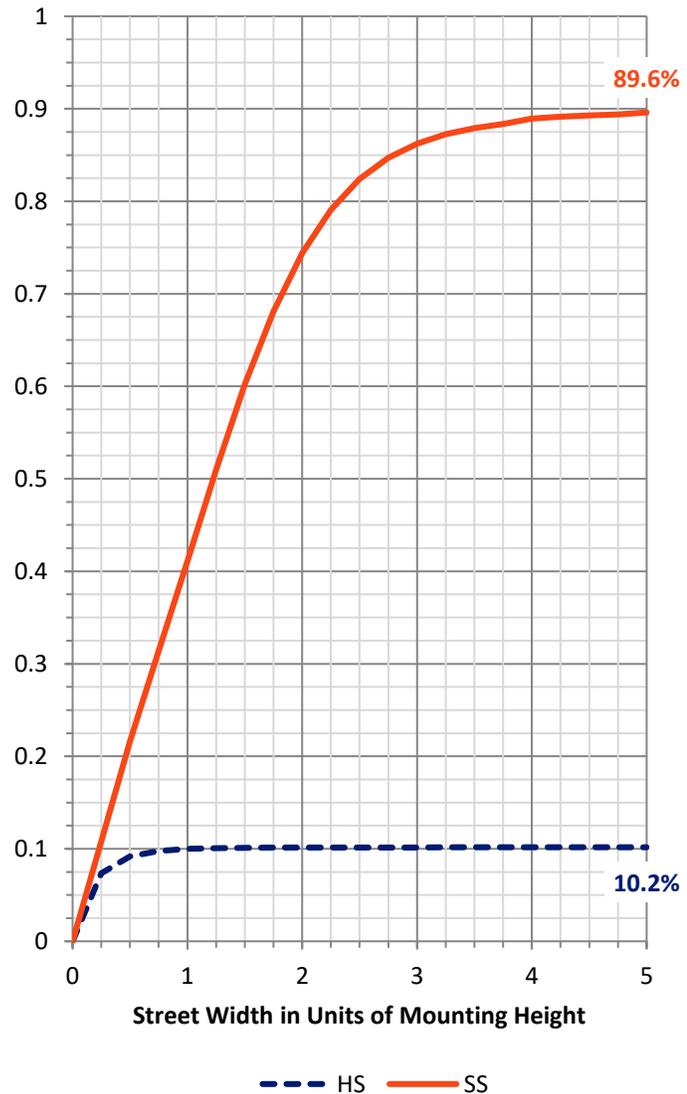
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	470.0	0.0	470.0
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	4110.0	0.0	4110.0
	% Fixture	89.7	0.0	89.7
Total	Lumens	4580.0	0.0	4580.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.7	1.0
10°-20°	138.6	3.0
20°-30°	217.9	4.8
30°-40°	312.5	6.8
40°-50°	540.1	11.8
50°-60°	1067.1	23.3
60°-70°	1491.3	32.6
70°-80°	720.5	15.7
80°-90°	46.3	1.0
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°	4580.0	100.0
0°-180°	4580.0	100.0



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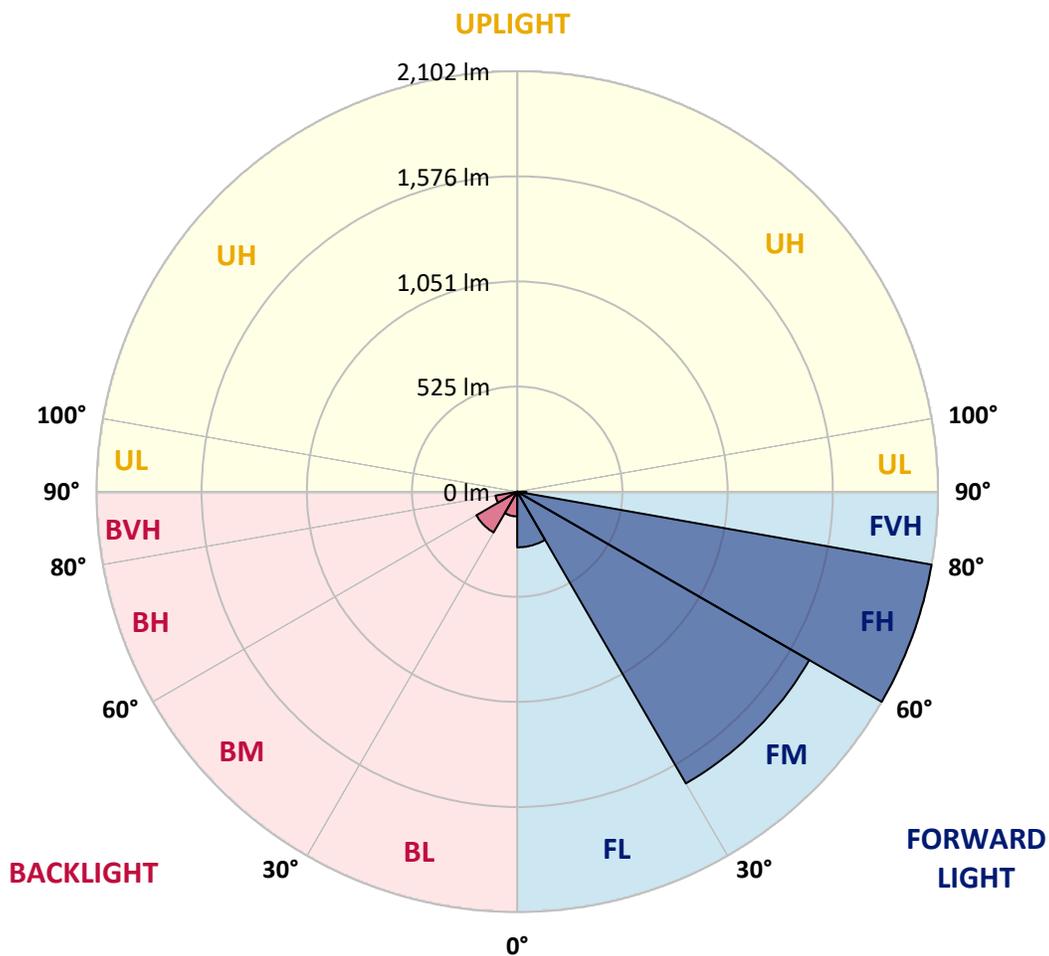
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.3	6.1			
FM	(30°-60°)	1684.2	36.8			
FH	(60°-80°)	2101.6	45.9			G2/5000
FVH	(80°-90°)	45.9	1.0			G1/100
BL	(0°-30°)	123.9	2.7	B1/500		
BM	(30°-60°)	235.5	5.1	B1/1000		
BH	(60°-80°)	110.2	2.4	B1/500		G1/500
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	509.8	509.1	506.1	504.9	497.6	493.3	491.5	486.2	478.4	470.7	462.1
5°	567.8	567.6	562.0	556.6	542.9	530.0	527.6	515.2	497.8	481.4	465.1
7.5°	627.0	624.2	618.7	608.4	588.4	567.8	565.8	548.2	523.5	499.9	476.5
10°	677.3	675.6	668.3	652.6	629.2	605.8	603.4	581.7	553.8	524.8	495.0
12.5°	716.4	715.1	705.4	685.9	661.0	636.7	633.5	614.2	584.3	551.9	516.7
15°	740.2	739.6	727.8	706.9	682.4	661.4	658.6	641.6	613.9	580.0	540.3
17.5°	745.8	746.0	733.8	712.7	692.5	677.5	675.4	662.5	639.3	605.6	563.9
20°	733.3	735.9	725.0	706.7	694.3	686.3	684.6	676.9	657.3	625.5	582.8
22.5°	715.7	717.0	709.5	697.3	692.1	693.6	692.8	688.5	671.9	642.7	601.5
25°	705.0	705.0	700.5	690.2	693.6	702.8	703.1	702.2	689.1	663.8	624.2
27.5°	704.6	703.3	698.1	690.4	699.8	714.0	714.9	720.7	712.5	689.3	652.6
30°	721.7	720.2	709.3	699.2	711.2	726.5	728.6	741.3	737.2	717.0	684.2
32.5°	761.9	756.5	732.3	715.7	724.7	743.0	745.8	766.0	772.4	751.2	714.7
35°	816.9	799.9	764.9	747.1	747.9	767.1	769.6	799.3	818.4	782.5	738.3
37.5°	892.7	884.3	827.4	779.7	783.6	812.6	820.1	852.3	846.9	799.7	765.1
40°	1058.9	1045.8	985.2	871.2	817.7	849.5	851.9	869.1	869.5	838.6	821.0
42.5°	1285.2	1279.8	1216.1	1037.2	884.9	874.2	878.5	907.5	939.9	920.6	919.7
45°	1535.8	1533.0	1465.4	1257.5	1020.9	955.2	960.5	999.4	1061.5	1065.8	1093.0
47.5°	1737.5	1736.2	1697.3	1503.4	1229.0	1092.4	1094.1	1135.3	1244.4	1298.3	1341.9
50°	1921.3	1927.5	1896.8	1769.5	1512.4	1307.3	1303.3	1330.7	1506.0	1594.2	1648.3
52.5°	2176.8	2185.6	2099.5	2017.7	1809.8	1574.0	1570.8	1599.6	1820.3	1886.5	1896.2
55°	2402.5	2387.5	2319.4	2295.8	2172.5	1903.5	1902.6	1927.9	2124.4	2152.6	2170.4
57.5°	2502.1	2496.3	2529.2	2583.3	2552.4	2292.8	2290.8	2271.5	2396.5	2399.5	2454.3
60°	2565.1	2572.2	2672.9	2839.7	2916.8	2711.7	2699.3	2581.4	2656.3	2649.7	2708.3
62.5°	2517.8	2531.8	2713.0	2991.1	3189.5	3077.4	3059.8	2865.3	2878.4	2855.4	2909.9
65°	2267.0	2288.7	2585.7	2962.5	3324.8	3363.3	3345.4	3115.9	3054.7	3016.9	2986.6
67.5°	1840.7	1853.6	2163.7	2714.1	3263.8	3533.8	3530.1	3335.6	3187.8	2989.6	2754.7
69°	1521.2	1533.9	1832.4	2452.5	3129.6	3570.3	3577.3	3406.0	3162.5	2823.8	2440.7
70°	1288.4	1302.0	1580.1	2228.4	2973.9	3553.3	3566.0	3399.3	3089.9	2631.9	2165.2
72.5°	675.8	687.4	972.8	1535.2	2424.4	3262.8	3301.2	3112.0	2619.2	1911.4	1280.3
75°	212.4	219.0	379.9	802.5	1659.9	2536.9	2545.7	2441.2	1859.9	1051.4	533.2
77.5°	81.0	79.0	126.5	295.7	839.2	1597.4	1651.3	1525.5	976.0	371.7	123.0
80°	43.6	43.8	65.7	122.4	359.0	821.0	866.5	739.3	346.8	116.0	28.3
82.5°	18.9	19.8	36.9	64.9	164.9	302.8	325.5	271.0	132.5	78.0	10.5
85°	4.1	4.5	17.8	35.2	67.2	85.0	89.1	87.8	84.4	60.6	4.1
87.5°	0.0	0.0	7.9	12.7	17.0	19.3	17.0	22.1	46.6	40.8	2.1
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°	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9	458.9
2.5°	459.3	455.5	448.8	441.5	436.4	431.0	426.7	424.8	422.6	421.1	423.0
5°	458.5	451.0	438.1	425.6	416.6	409.3	403.3	400.9	398.6	396.8	396.6
7.5°	466.0	455.5	435.7	417.5	403.5	393.6	385.5	382.0	379.2	377.9	376.9
10°	480.4	466.8	440.4	416.6	398.6	381.8	364.2	350.7	341.9	337.8	336.3
12.5°	499.1	482.1	449.5	421.1	394.9	362.7	325.3	293.1	272.3	265.4	261.3
15°	521.0	499.9	461.3	426.9	381.6	322.8	259.4	217.3	198.0	194.1	189.8
17.5°	542.0	518.8	475.4	428.0	352.4	257.9	190.0	161.5	154.0	156.5	157.2
20°	560.5	537.5	489.4	418.5	299.3	193.5	147.1	140.0	142.8	147.7	148.6
22.5°	579.2	555.5	502.3	393.6	231.5	146.9	132.5	134.2	137.0	141.9	142.8
25°	601.9	577.4	514.3	347.9	173.7	125.0	125.8	128.4	131.2	135.7	136.1
27.5°	628.1	605.1	522.2	288.4	128.8	114.9	117.7	121.5	124.3	128.6	129.5
30°	662.9	641.6	524.8	226.8	108.0	105.9	107.2	111.9	116.0	119.8	120.5
32.5°	695.5	677.7	516.2	171.1	100.1	97.5	97.5	100.3	105.0	108.7	109.5
35°	725.6	714.0	488.7	125.2	94.1	89.8	87.6	87.6	90.6	93.6	94.5
37.5°	765.3	764.9	444.3	99.9	88.3	83.3	78.8	75.4	74.3	74.9	75.4
40°	833.4	834.0	386.3	89.5	83.3	76.7	69.8	63.6	57.8	55.8	55.6
42.5°	939.7	930.0	325.5	84.6	79.0	69.8	59.5	51.1	42.1	39.3	39.1
45°	1108.5	1051.2	261.1	80.1	74.5	62.1	49.2	37.8	30.5	28.3	28.3
47.5°	1354.4	1210.3	202.3	75.2	68.5	53.3	37.1	27.3	22.3	21.3	21.5
50°	1608.6	1366.2	155.0	68.9	61.2	44.0	27.5	19.8	17.0	17.0	17.2
52.5°	1834.1	1480.4	120.9	62.3	52.2	34.6	20.8	15.5	14.2	14.0	14.2
55°	2045.2	1554.1	92.6	54.5	41.4	25.8	15.9	12.7	11.8	11.4	11.2
57.5°	2248.8	1590.6	69.4	44.0	30.1	18.7	12.7	10.7	9.9	9.2	9.0
60°	2384.3	1560.9	47.7	32.4	20.8	13.5	10.5	9.2	8.2	7.5	7.3
62.5°	2460.7	1480.0	30.7	23.4	14.8	10.1	8.4	7.7	6.2	5.6	5.6
65°	2429.8	1346.4	21.5	16.7	10.7	7.5	6.2	6.2	4.5	3.7	3.4
67.5°	2153.2	1137.5	16.3	12.5	7.7	5.6	4.7	5.4	2.8	1.7	1.7
69°	1852.6	942.7	14.0	10.3	6.4	4.5	4.1	4.9	1.9	1.3	1.1
70°	1610.1	813.2	12.7	9.0	5.4	3.9	3.7	4.7	1.9	1.1	0.9
72.5°	963.3	453.5	9.7	6.4	3.4	3.0	3.0	5.4	1.9	1.1	0.9
75°	389.3	159.8	7.1	4.5	2.6	2.6	3.7	6.9	1.7	0.9	0.6
77.5°	88.3	35.0	4.1	2.8	1.7	2.6	4.3	5.4	1.1	0.4	0.0
80°	21.5	8.6	2.6	1.7	1.1	1.9	3.2	3.0	0.2	0.0	0.0
82.5°	7.1	3.0	1.1	0.9	0.2	0.6	1.5	0.9	0.0	0.0	0.0
85°	3.0	1.7	0.4	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0
87.5°	1.9	0.6	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)