

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: P1208531

Luminaire Tested: UPW-SA1-070-730-U-SL4-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208531
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-SA1-070-730-U-SL4-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1200mA 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: 5498 lumens
Efficiency: N/A
Efficacy: 82.1 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

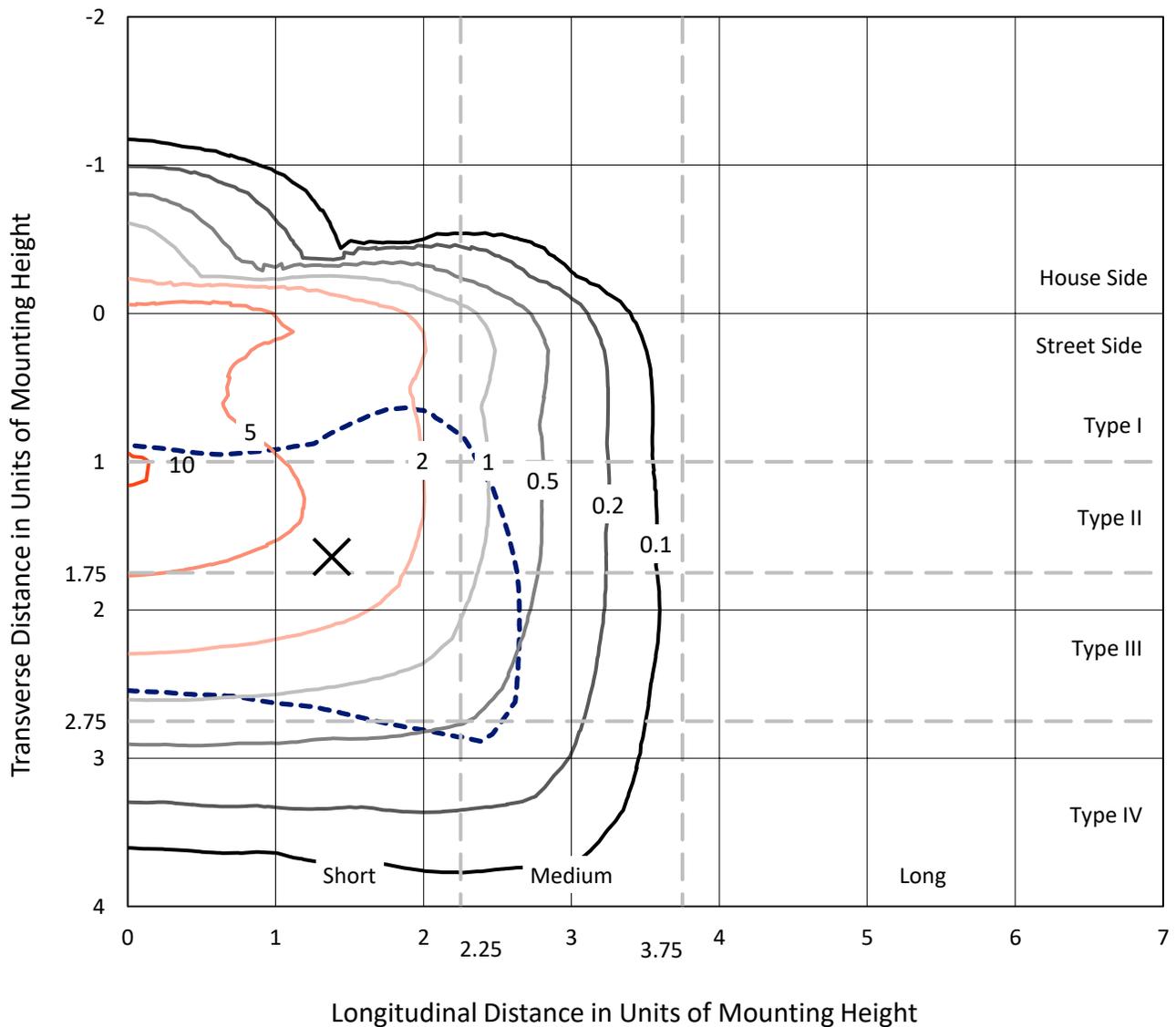
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

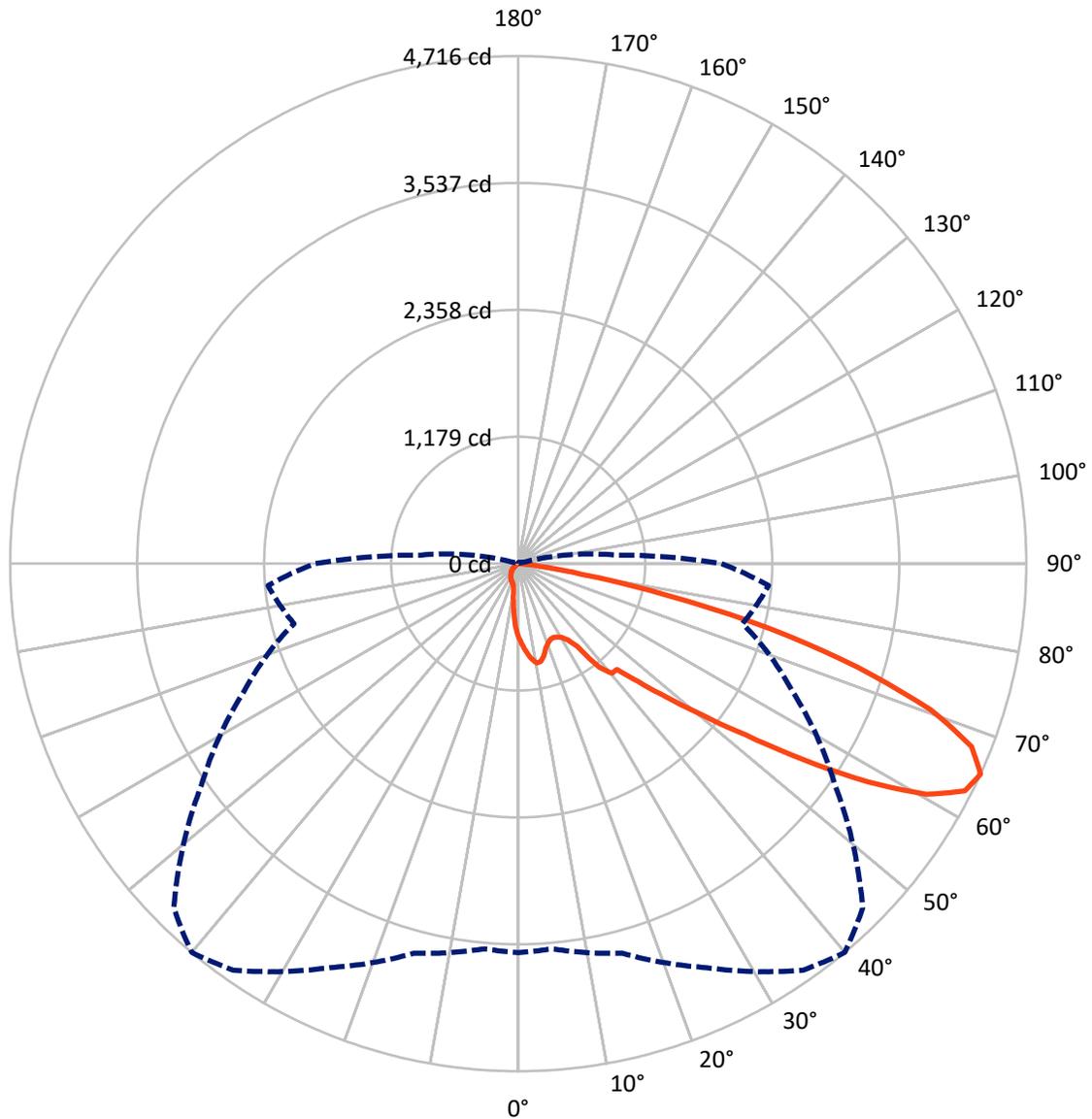
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 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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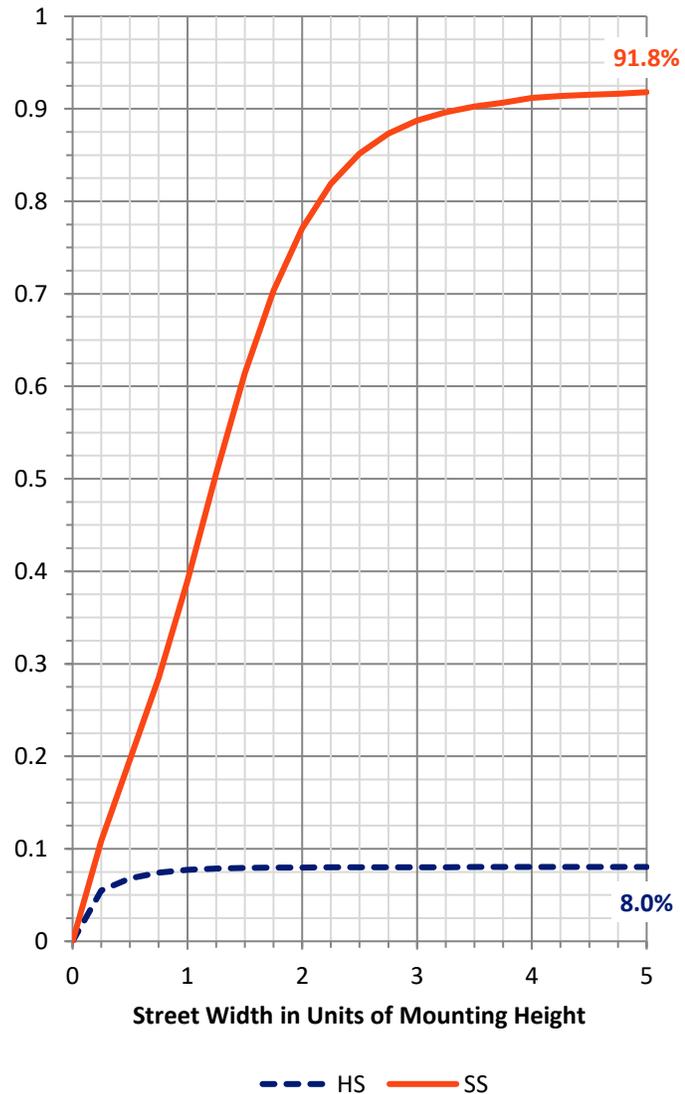
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	445.0	0.0	445.0
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	5053.0	0.0	5053.0
	% Fixture	91.9	0.0	91.9
Total	Lumens	5498.0	0.0	5498.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.0	1.1
10°-20°	177.1	3.2
20°-30°	276.4	5.0
30°-40°	458.0	8.3
40°-50°	776.6	14.1
50°-60°	1368.0	24.9
60°-70°	1703.9	31.0
70°-80°	640.4	11.6
80°-90°	34.7	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°	5498.0	100.0
0°-180°	5498.0	100.0



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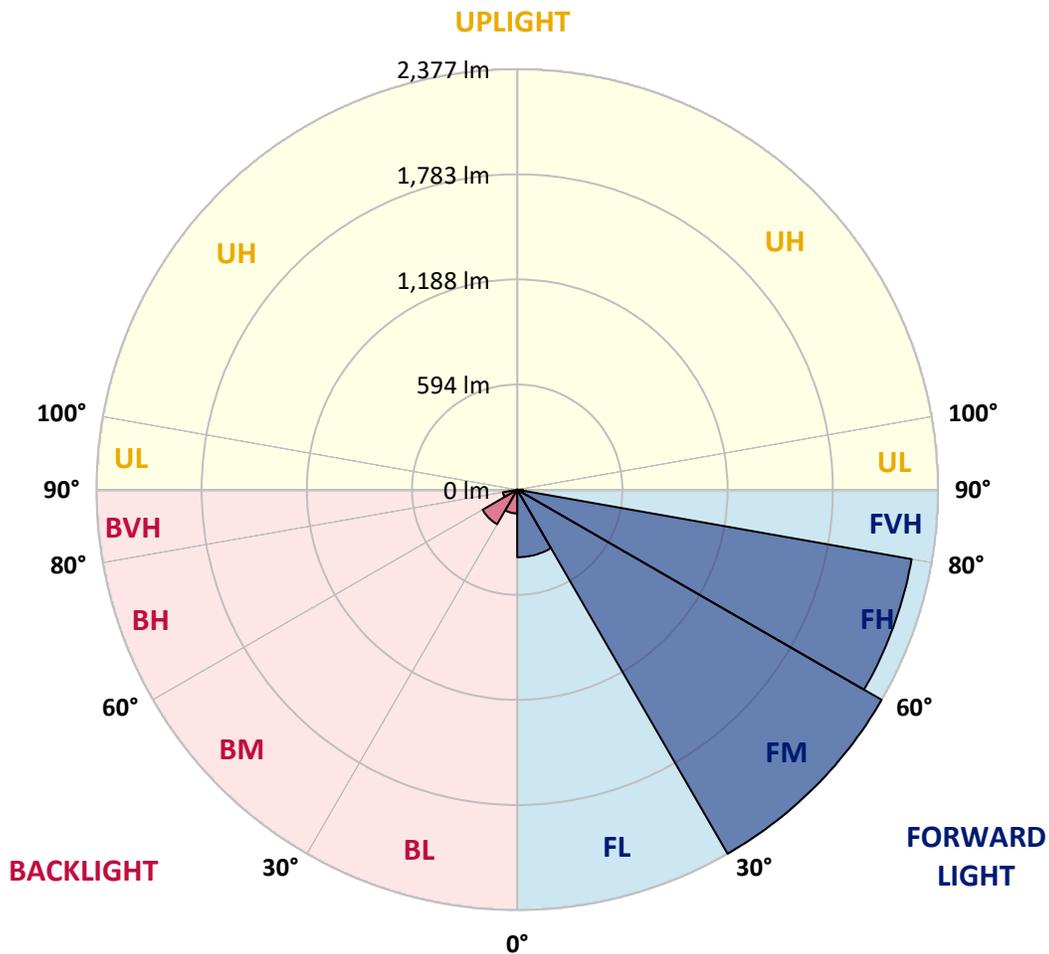
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	381.8	6.9			
FM	(30°-60°)	2376.7	43.2			
FH	(60°-80°)	2262.1	41.1			G2/5000
FVH	(80°-90°)	32.4	0.6			G1/100
BL	(0°-30°)	134.6	2.4	B1/500		
BM	(30°-60°)	225.9	4.1	B1/1000		
BH	(60°-80°)	82.1	1.5	B0/110		G0/110
BVH	(80°-90°)	2.3	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°	40°	45°	55°	65°	75°	85°
0°	686.6	686.6	686.6	686.6	686.6	686.6	686.6	686.6	686.6	686.6	686.6
2.5°	777.3	770.8	769.2	765.9	757.8	757.0	755.4	740.8	730.3	719.8	703.6
5°	852.6	847.7	843.7	842.9	837.2	829.9	828.3	808.0	788.6	766.8	732.7
7.5°	907.6	902.8	902.8	902.8	896.3	893.9	893.9	872.8	854.2	821.0	774.9
10°	919.0	915.7	919.0	927.1	935.2	938.4	941.6	936.8	921.4	885.0	829.1
12.5°	890.6	887.4	890.6	902.8	918.2	933.5	953.8	979.7	985.4	960.3	887.4
15°	862.3	858.2	851.8	849.3	865.5	889.0	916.5	987.0	1038.8	1031.5	954.6
17.5°	844.5	843.7	828.3	807.2	808.9	826.7	862.3	957.8	1064.7	1095.5	1016.9
20°	827.5	825.1	808.0	778.1	771.6	787.8	817.8	917.4	1059.9	1154.6	1081.7
22.5°	818.6	815.3	792.7	757.0	750.6	765.1	791.9	873.6	1035.6	1189.4	1143.2
25°	829.1	826.7	794.3	753.0	747.3	759.5	782.9	850.1	1004.0	1202.4	1192.6
27.5°	864.7	859.9	817.0	767.6	760.3	771.6	791.0	842.1	976.5	1197.5	1232.3
30°	986.2	967.6	903.6	811.3	788.6	795.9	811.3	852.6	958.6	1191.0	1276.8
32.5°	1221.8	1212.1	1105.2	937.6	851.8	845.3	855.8	885.0	970.8	1225.0	1359.4
35°	1631.5	1619.3	1467.9	1201.5	979.7	944.1	937.6	962.7	1063.1	1233.9	1373.2
37.5°	1950.5	1939.2	1812.0	1612.0	1338.4	1222.6	1147.3	1136.8	1068.8	1192.6	1390.2
40°	2105.9	2086.5	1900.3	1630.7	1426.6	1340.0	1256.6	1086.6	1010.5	1168.3	1433.9
42.5°	2481.6	2428.2	2208.8	1871.1	1502.7	1344.0	1196.7	1016.9	1031.5	1193.4	1501.9
45°	2899.4	2902.7	2637.1	2188.5	1752.1	1562.7	1378.1	1100.3	1106.8	1257.4	1591.8
47.5°	3381.2	3325.3	3044.3	2590.9	2063.8	1849.3	1642.8	1245.3	1213.7	1360.2	1712.4
50°	3731.8	3696.1	3477.5	3050.0	2448.4	2204.7	1933.5	1463.1	1388.6	1478.5	1834.7
52.5°	3925.3	3917.2	3807.9	3465.4	2924.5	2641.1	2286.5	1718.1	1602.3	1608.8	1925.4
55°	4077.5	4055.6	4050.8	3883.2	3462.9	3213.6	2752.1	2064.6	1873.6	1735.9	2016.1
57.5°	4230.5	4205.4	4226.5	4196.5	4041.9	3827.3	3310.7	2441.1	2110.0	1871.1	2124.6
60°	4232.9	4207.8	4266.9	4393.3	4462.1	4351.1	3877.5	2852.5	2370.7	2009.6	2271.9
62.5°	4037.8	4012.7	4113.9	4377.1	4664.5	4650.7	4317.1	3246.8	2630.6	2148.0	2394.2
65°	3612.7	3592.5	3747.1	4141.4	4610.2	4715.5	4522.0	3589.3	2807.1	2154.5	2331.0
67.5°	2755.3	2791.7	3054.1	3598.2	4328.5	4539.8	4492.8	3679.1	2720.5	1958.6	2090.6
70°	1778.0	1844.4	2137.5	2779.6	3683.2	4060.5	4084.8	3266.2	2276.8	1592.6	1570.8
72.5°	946.5	958.6	1229.1	1798.3	2800.6	3296.2	3332.6	2459.0	1557.8	1058.2	857.4
75°	414.5	447.7	601.6	1011.3	1866.3	2415.2	2306.7	1473.6	804.0	484.2	332.0
77.5°	149.0	161.1	234.0	494.7	1053.4	1413.7	1317.3	700.4	324.7	214.6	97.2
80°	72.1	72.9	93.9	188.7	440.5	595.9	518.2	247.8	148.2	120.6	38.1
82.5°	24.3	30.0	53.4	74.5	163.6	203.2	149.8	92.3	88.3	91.5	26.7
85°	0.0	0.8	26.7	40.5	42.1	47.8	38.1	40.5	54.2	55.1	8.9
87.5°	0.0	0.0	0.0	8.1	8.9	8.9	4.9	9.7	22.7	26.7	1.6
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°	686.6	686.6	686.6	686.6	686.6	686.6	686.6	686.6	686.6	686.6	686.6
2.5°	693.9	684.2	664.7	648.5	626.7	611.3	595.1	587.8	583.0	562.7	561.1
5°	714.1	692.3	647.7	599.2	551.4	504.4	459.9	434.8	412.9	404.0	393.5
7.5°	744.1	710.9	632.3	549.0	459.1	386.2	336.8	309.3	286.6	282.6	279.3
10°	785.4	735.2	619.4	484.2	357.9	289.1	248.6	230.8	223.5	221.8	219.4
12.5°	830.7	765.9	604.8	408.9	280.1	221.8	204.8	204.8	208.9	210.5	210.5
15°	889.0	801.6	577.3	341.7	225.1	194.3	193.5	196.7	200.8	202.4	203.2
17.5°	940.0	838.8	542.5	280.1	193.5	184.6	186.2	188.7	192.7	195.9	195.9
20°	995.1	872.8	506.9	230.8	178.1	175.7	177.3	180.6	185.4	187.8	188.7
22.5°	1043.7	899.5	465.6	198.4	167.6	167.6	170.0	173.3	178.9	183.0	183.0
25°	1084.1	920.6	421.0	176.5	157.9	158.7	161.1	166.0	171.6	175.7	176.5
27.5°	1115.7	931.1	370.0	158.7	148.2	148.2	152.2	157.9	165.2	170.0	170.0
30°	1156.2	947.3	331.2	145.7	137.6	137.6	140.9	148.2	157.9	164.4	164.4
32.5°	1216.9	975.6	289.9	134.4	127.9	127.9	131.2	137.6	147.4	155.5	157.1
35°	1226.6	962.7	247.8	125.5	119.0	118.2	119.8	125.5	133.6	139.3	141.7
37.5°	1242.0	962.7	208.1	115.8	110.1	109.3	110.1	112.5	115.8	117.4	116.6
40°	1276.0	969.2	174.9	107.7	102.0	100.4	99.6	98.8	95.5	91.5	90.7
42.5°	1329.5	986.2	146.5	98.8	93.1	91.5	89.1	83.4	76.1	70.4	70.4
45°	1393.4	1001.6	123.1	91.5	85.0	83.4	76.1	67.2	58.3	54.2	54.2
47.5°	1472.0	1020.2	104.4	85.0	78.5	74.5	62.3	51.8	44.5	42.9	42.9
50°	1562.7	1031.5	88.3	77.7	72.1	64.8	49.4	40.5	34.8	34.0	34.0
52.5°	1625.8	1030.7	75.3	71.3	65.6	54.2	39.7	32.4	28.3	26.7	26.7
55°	1686.5	1019.4	63.2	63.2	56.7	43.7	32.4	26.7	22.7	21.1	20.2
57.5°	1760.2	1013.7	54.2	52.6	46.2	35.6	26.7	21.9	17.8	14.6	13.8
60°	1877.6	1023.4	45.3	42.1	36.4	28.3	21.9	17.0	13.0	8.9	8.1
62.5°	1956.2	1013.7	37.2	34.0	29.1	22.7	16.2	12.1	7.3	4.9	4.0
65°	1883.3	905.2	31.6	27.5	23.5	17.8	12.1	8.1	3.2	0.8	0.0
67.5°	1628.2	723.0	26.7	22.7	18.6	13.8	8.9	4.9	0.8	0.0	0.0
70°	1183.7	487.4	23.5	18.6	14.6	11.3	6.5	2.4	0.0	0.0	0.0
72.5°	619.4	229.1	21.1	17.0	13.0	8.9	4.9	1.6	0.0	0.0	0.0
75°	217.0	82.6	19.4	16.2	11.3	7.3	4.0	1.6	0.0	0.0	0.0
77.5°	68.0	37.2	19.4	17.0	12.1	7.3	4.0	1.6	0.0	0.0	0.0
80°	30.8	24.3	17.8	16.2	11.3	7.3	4.0	0.8	0.0	0.0	0.0
82.5°	21.9	19.4	17.0	14.6	10.5	6.5	3.2	0.8	0.0	0.0	0.0
85°	8.1	6.5	6.5	8.1	7.3	4.0	1.6	0.0	0.0	0.0	0.0
87.5°	0.8	0.8	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)