

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: P1208176

Luminaire Tested: UPW-SA1-040-827-U-SL2-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-827-U-SL2-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3148 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

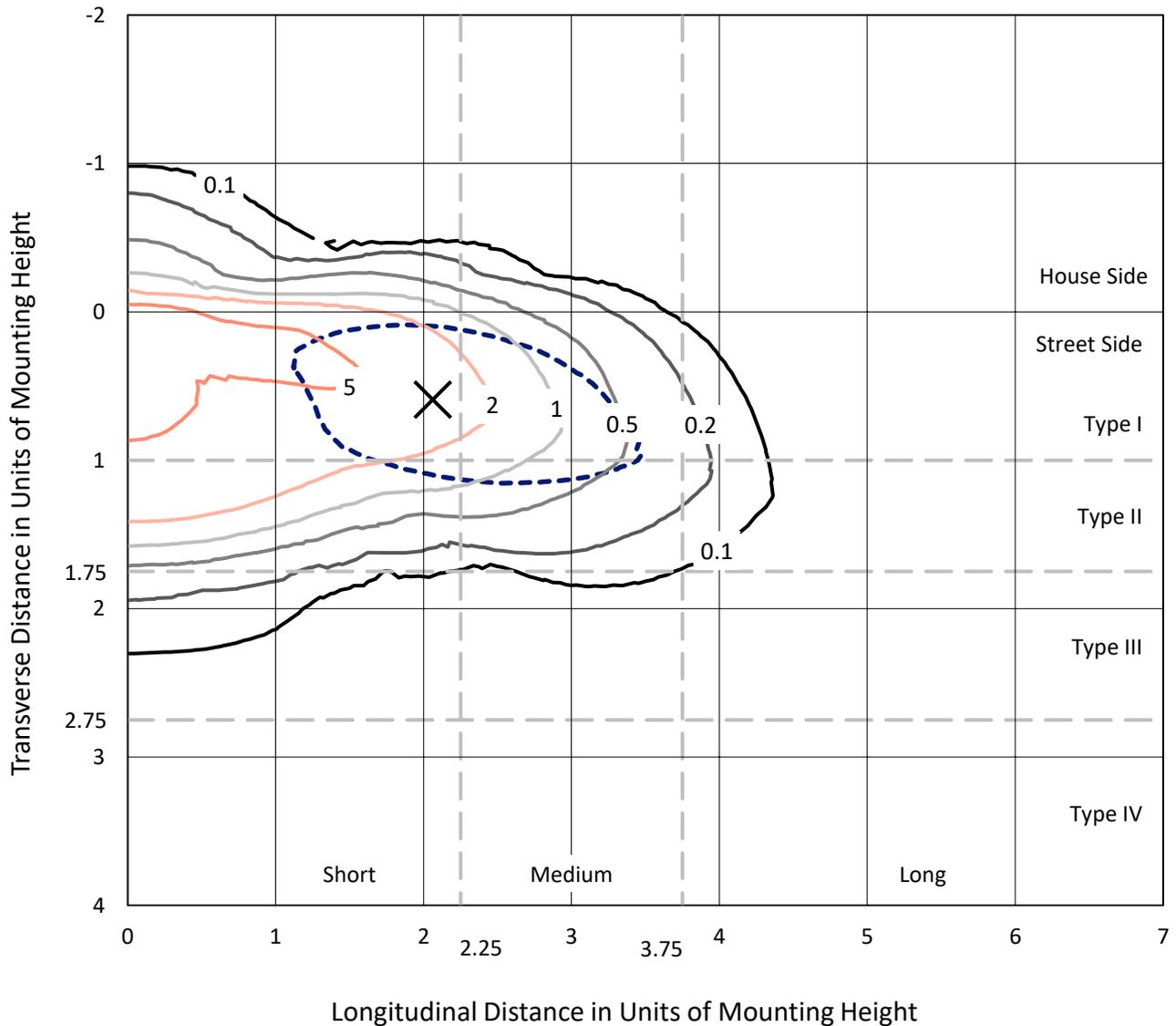
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1208176
 CATALOG NUMBER: UPW-SA1-040-827-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

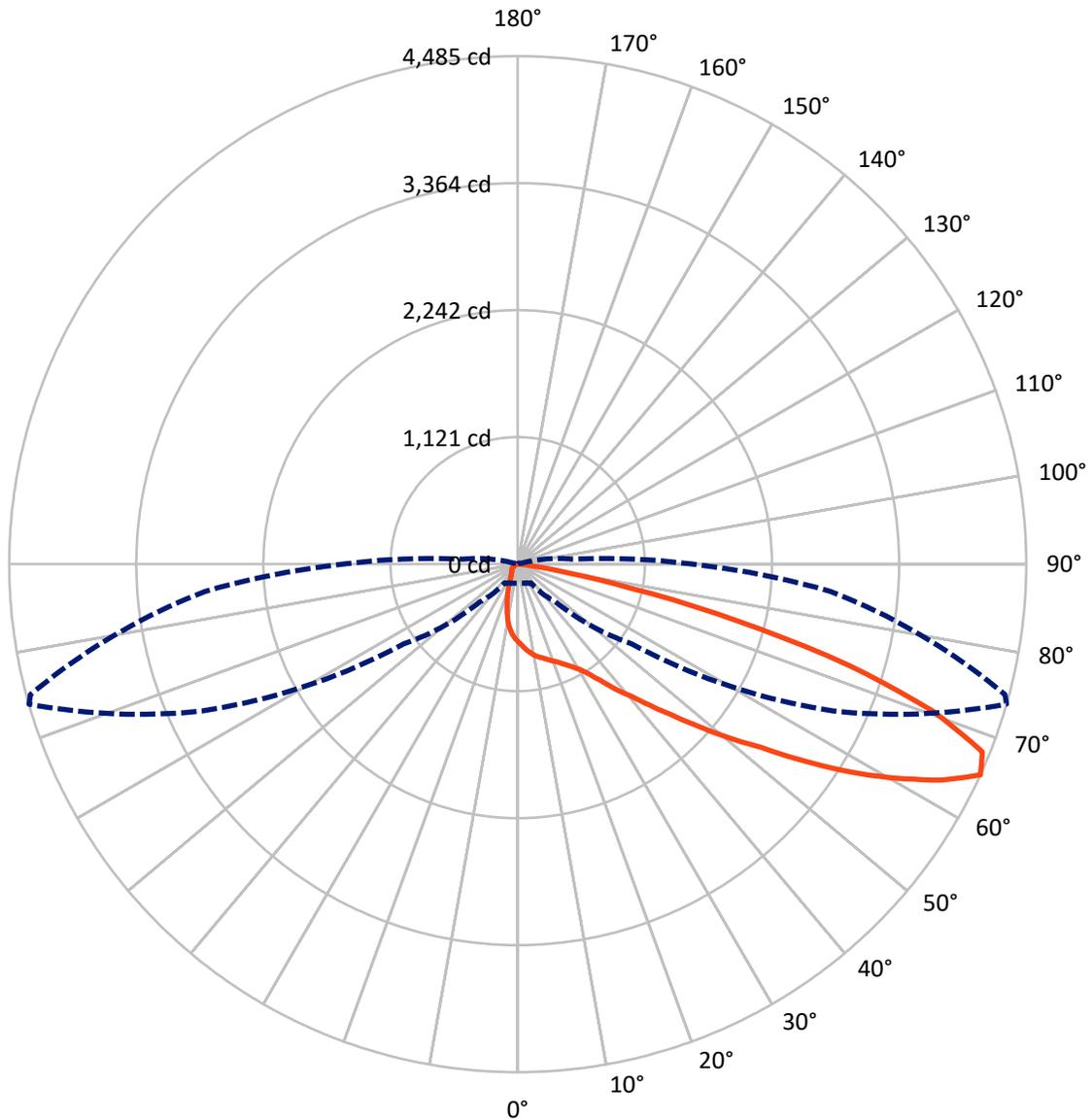
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type II - Short - N/A

REPORT NUMBER: P1208176
CATALOG NUMBER: UPW-SA1-040-827-U-SL2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P1208176

CATALOG NUMBER: UPW-SA1-040-827-U-SL2-HSS

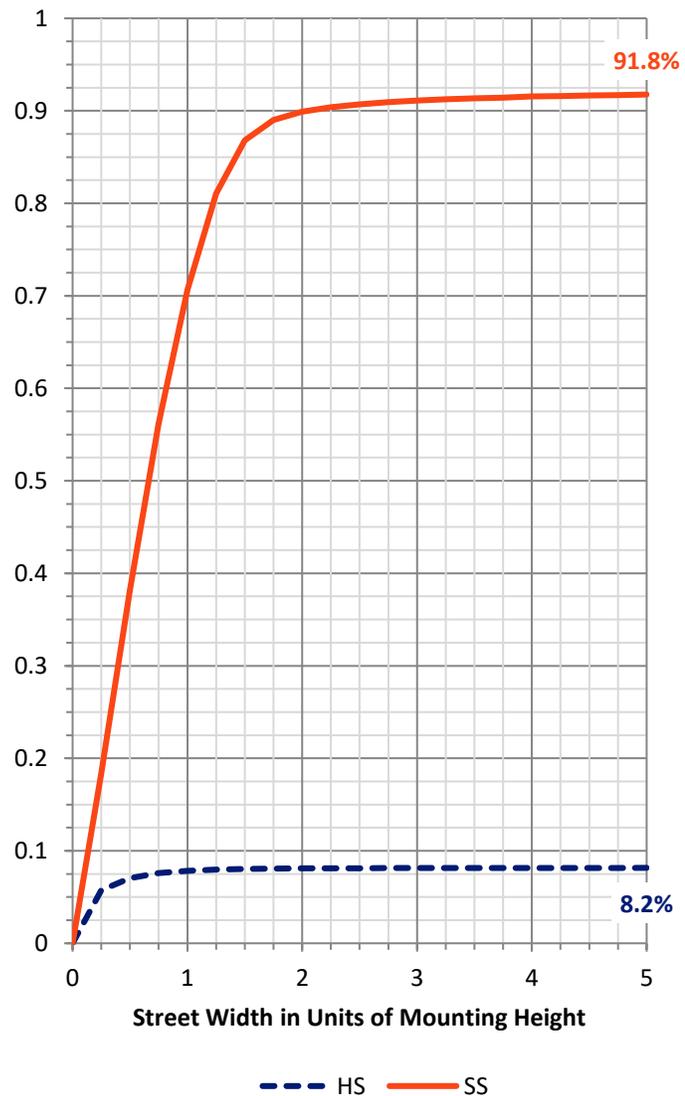
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	258.8	0.0	258.8
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	2889.2	0.0	2889.2
	% Fixture	91.8	0.0	91.8
Total	Lumens	3148.0	0.0	3148.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	1.9
10°-20°	143.5	4.6
20°-30°	223.7	7.1
30°-40°	353.1	11.2
40°-50°	549.2	17.4
50°-60°	793.9	25.2
60°-70°	717.5	22.8
70°-80°	288.4	9.2
80°-90°	20.3	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°	3148.0	100.0
0°-180°	3148.0	100.0



REPORT NUMBER: P1208176

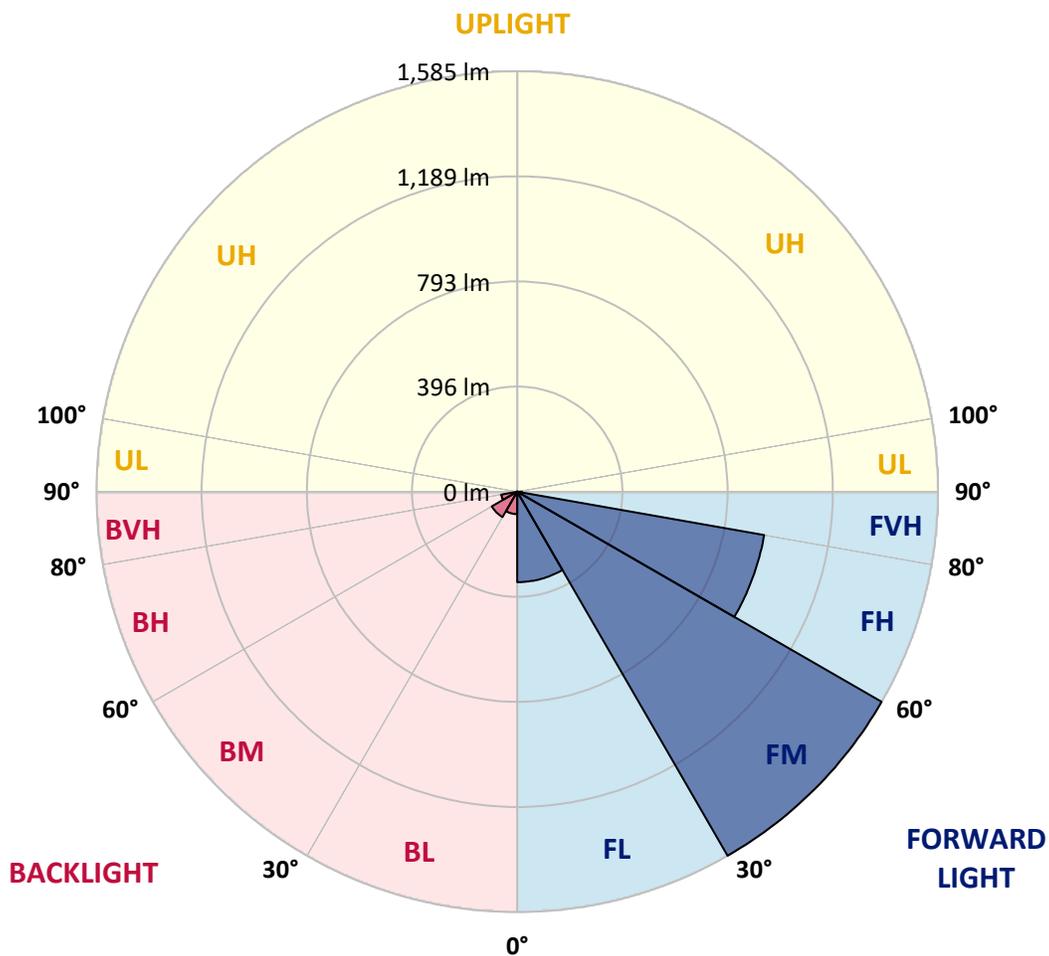
CATALOG NUMBER: UPW-SA1-040-827-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	341.0	10.8			
FM	(30°-60°)	1585.4	50.4			
FH	(60°-80°)	944.8	30.0			G1/1800
FVH	(80°-90°)	18.0	0.6			G1/100
BL	(0°-30°)	84.6	2.7	B0/110		
BM	(30°-60°)	110.7	3.5	B0/220		
BH	(60°-80°)	61.1	1.9	B0/110		G0/110
BVH	(80°-90°)	2.3	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 II Short





REPORT NUMBER: P1208176

CATALOG NUMBER: UPW-SA1-040-827-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9
2.5°	774.0	771.1	772.5	766.3	765.3	759.0	745.1	731.1	718.1	714.8	698.9
5°	830.3	828.8	827.4	826.4	822.1	817.3	797.5	778.8	754.7	750.4	717.2
7.5°	845.2	843.7	846.6	851.4	854.3	851.9	837.5	819.2	788.9	784.1	735.9
10°	812.0	810.5	823.5	842.3	859.6	872.1	866.8	850.5	818.7	813.9	748.9
12.5°	738.8	736.9	758.1	796.6	837.5	873.1	883.7	872.6	842.8	837.5	759.5
15°	671.9	669.0	690.2	729.2	780.7	849.5	890.0	893.3	862.5	859.1	771.1
17.5°	636.3	636.8	649.8	682.0	731.6	806.7	883.2	912.6	889.0	884.7	783.6
20°	650.7	651.7	653.1	665.7	695.5	769.1	868.3	933.3	915.0	910.2	799.5
22.5°	692.6	695.0	691.2	684.4	688.3	741.7	852.9	955.9	944.8	940.0	810.5
25°	770.6	767.7	755.7	728.7	709.5	733.5	847.6	981.9	982.4	976.6	824.0
27.5°	863.5	855.8	841.3	798.5	751.3	747.0	846.2	1009.8	1026.2	1018.0	839.4
30°	942.4	938.6	920.8	881.3	810.5	778.3	850.0	1036.8	1078.1	1073.8	859.6
32.5°	993.4	992.5	979.5	953.0	890.9	828.8	866.8	1073.3	1156.6	1142.2	898.1
35°	1036.3	1031.9	1021.8	1004.5	967.0	897.7	902.5	1132.1	1262.5	1258.2	959.7
37.5°	1084.9	1079.6	1067.6	1045.9	1019.9	979.0	959.3	1208.1	1397.3	1395.3	1041.1
40°	1141.2	1137.8	1125.8	1096.9	1064.7	1040.1	1018.5	1286.6	1527.7	1514.2	1116.2
42.5°	1196.6	1197.5	1188.4	1158.5	1114.7	1081.5	1088.7	1366.5	1697.6	1690.9	1233.1
45°	1259.6	1256.2	1251.4	1229.8	1182.6	1114.2	1156.1	1477.2	1894.9	1911.8	1403.0
47.5°	1303.9	1302.9	1312.5	1296.2	1257.2	1166.7	1225.4	1614.3	2137.5	2153.4	1589.8
50°	1315.4	1314.0	1346.2	1359.7	1358.3	1268.3	1320.7	1788.1	2404.2	2401.8	1798.7
52.5°	1241.3	1244.7	1307.3	1379.0	1445.9	1424.7	1492.6	2027.3	2689.1	2697.3	1995.1
55°	1028.6	1049.7	1119.1	1285.1	1461.3	1584.0	1714.0	2356.5	3065.0	3043.4	2149.6
57.5°	645.0	633.9	750.9	991.5	1271.6	1596.0	1893.0	2687.2	3466.4	3439.0	2376.7
60°	328.7	314.3	382.6	553.0	882.7	1341.4	1896.9	2975.5	3836.6	3805.8	2606.3
62.5°	201.2	198.8	212.7	270.0	457.2	904.9	1643.7	3149.7	4198.5	4174.0	2761.8
65°	169.4	168.9	174.2	183.4	202.6	469.8	1226.4	3064.5	4484.9	4449.3	2770.9
67.5°	150.2	150.2	161.2	165.6	134.8	202.2	752.3	2710.3	4418.0	4411.3	2577.9
70°	129.5	127.5	143.0	155.9	112.1	104.0	387.5	2177.5	3881.3	3903.5	2195.8
72.5°	97.7	99.6	115.5	132.8	91.9	73.2	177.1	1523.8	3056.4	3066.9	1725.5
75°	73.6	75.6	89.5	108.8	74.1	55.4	97.7	990.1	2001.8	2025.9	1007.9
77.5°	56.3	56.8	70.8	90.0	57.3	42.4	65.9	550.1	1014.6	993.0	391.8
80°	39.0	40.4	55.4	69.8	45.7	31.8	44.3	238.3	366.3	337.9	121.8
82.5°	14.4	18.8	39.0	50.5	32.2	22.6	32.7	95.8	107.3	100.6	44.8
85°	2.4	2.4	21.2	37.1	17.3	13.5	20.7	33.2	35.1	37.1	23.1
87.5°	0.0	0.0	2.4	8.2	2.9	1.9	5.8	8.2	16.8	18.8	12.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1208176

CATALOG NUMBER: UPW-SA1-040-827-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9	685.9
2.5°	688.3	678.2	658.0	640.6	613.7	590.1	575.2	563.6	555.0	544.8	534.7
5°	696.0	672.4	622.8	567.0	509.7	458.2	415.9	377.4	352.3	349.4	337.4
7.5°	702.7	665.2	581.4	482.3	394.7	320.1	267.6	235.4	207.4	198.8	202.6
10°	702.7	652.7	526.6	390.3	284.9	208.9	170.4	149.2	141.5	138.1	135.2
12.5°	700.8	632.4	457.7	304.2	198.3	152.1	134.8	127.1	122.7	120.8	119.8
15°	697.9	607.9	389.9	227.2	151.6	130.4	121.8	116.0	112.1	110.2	108.8
17.5°	696.0	582.4	328.3	172.3	130.9	118.9	111.7	105.9	102.5	99.6	99.2
20°	690.2	552.6	268.6	141.5	118.9	108.8	101.1	95.8	92.4	89.0	89.0
22.5°	681.1	510.2	212.3	123.2	108.8	98.7	90.5	85.2	81.8	79.9	78.9
25°	669.5	468.3	168.5	112.6	99.2	88.1	80.9	75.6	72.7	71.7	70.8
27.5°	656.5	426.4	138.6	104.0	90.0	79.4	71.2	67.4	65.5	64.5	63.5
30°	645.9	388.4	120.3	96.7	81.3	70.8	63.5	60.2	58.7	58.2	57.3
32.5°	646.9	356.2	107.8	88.6	74.6	64.0	56.8	53.4	53.4	52.9	52.9
35°	664.7	336.0	99.2	81.3	67.4	57.3	51.0	48.1	49.1	49.1	48.6
37.5°	683.9	315.7	91.0	73.6	61.1	51.0	44.8	43.3	43.8	44.3	44.3
40°	709.0	300.8	84.2	66.4	54.9	45.7	40.4	39.0	39.0	39.0	38.5
42.5°	765.8	299.4	78.5	60.2	49.1	40.4	36.6	34.7	33.7	33.2	32.2
45°	845.7	310.0	74.6	54.4	43.3	36.6	33.2	30.8	27.9	26.5	26.0
47.5°	948.7	337.4	71.2	49.1	38.0	33.2	29.8	26.5	22.6	20.7	20.2
50°	1077.2	380.2	67.9	44.8	34.2	29.8	26.0	21.7	17.8	15.9	15.9
52.5°	1197.5	430.8	64.5	40.9	30.3	27.4	22.1	17.3	14.0	12.5	12.0
55°	1305.8	487.6	60.6	36.6	27.4	24.1	18.3	13.5	10.1	8.7	8.2
57.5°	1436.2	559.3	55.8	32.2	24.5	20.7	14.4	9.6	6.7	4.8	4.3
60°	1578.7	595.4	49.6	28.4	21.2	17.3	11.1	6.7	3.9	1.9	1.9
62.5°	1624.9	577.6	41.9	24.5	18.3	14.0	8.2	4.3	1.4	0.0	0.0
65°	1540.7	494.8	35.6	21.7	15.9	10.6	5.8	2.4	0.0	0.0	0.0
67.5°	1346.7	385.1	29.4	18.8	13.5	8.7	3.9	0.5	0.0	0.0	0.0
70°	1111.8	285.4	24.5	15.4	11.6	6.7	2.4	0.0	0.0	0.0	0.0
72.5°	858.2	202.6	21.2	13.0	9.6	5.3	1.4	0.0	0.0	0.0	0.0
75°	484.7	108.8	19.3	13.0	8.7	4.3	1.0	0.0	0.0	0.0	0.0
77.5°	200.2	50.1	16.8	13.0	8.7	4.8	1.4	0.0	0.0	0.0	0.0
80°	62.6	25.5	14.4	13.5	9.1	5.3	1.4	0.0	0.0	0.0	0.0
82.5°	29.4	19.7	14.9	12.5	8.2	4.8	1.4	0.0	0.0	0.0	0.0
85°	15.4	10.1	10.6	10.6	7.2	4.3	1.4	0.0	0.0	0.0	0.0
87.5°	4.3	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)