

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: P1208774

Luminaire Tested: UPW-SA2-070-730-U-SL4-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208774
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-SA2-070-730-U-SL4-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH 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: 6453 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

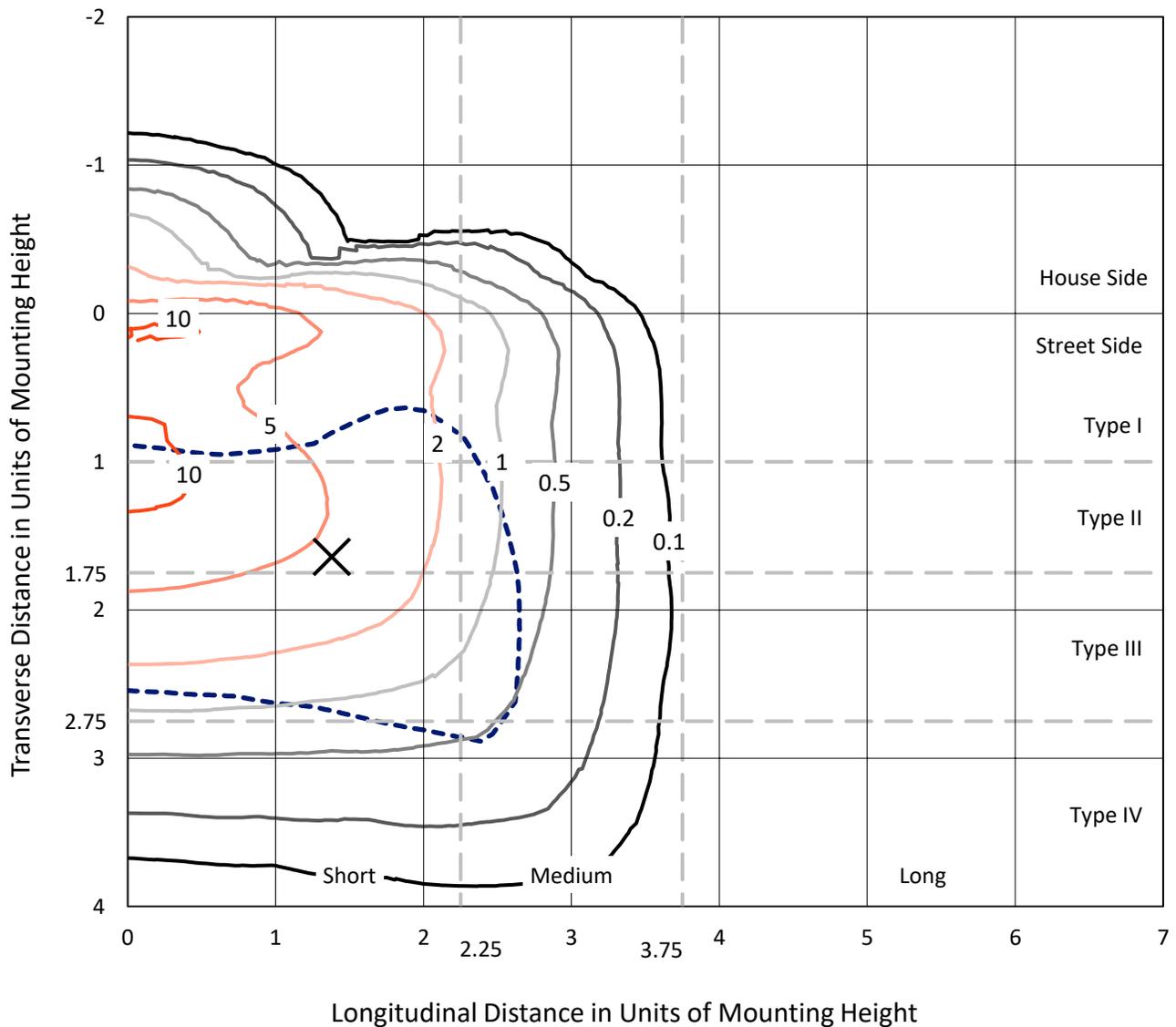
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1208774
 CATALOG NUMBER: UPW-SA2-070-730-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

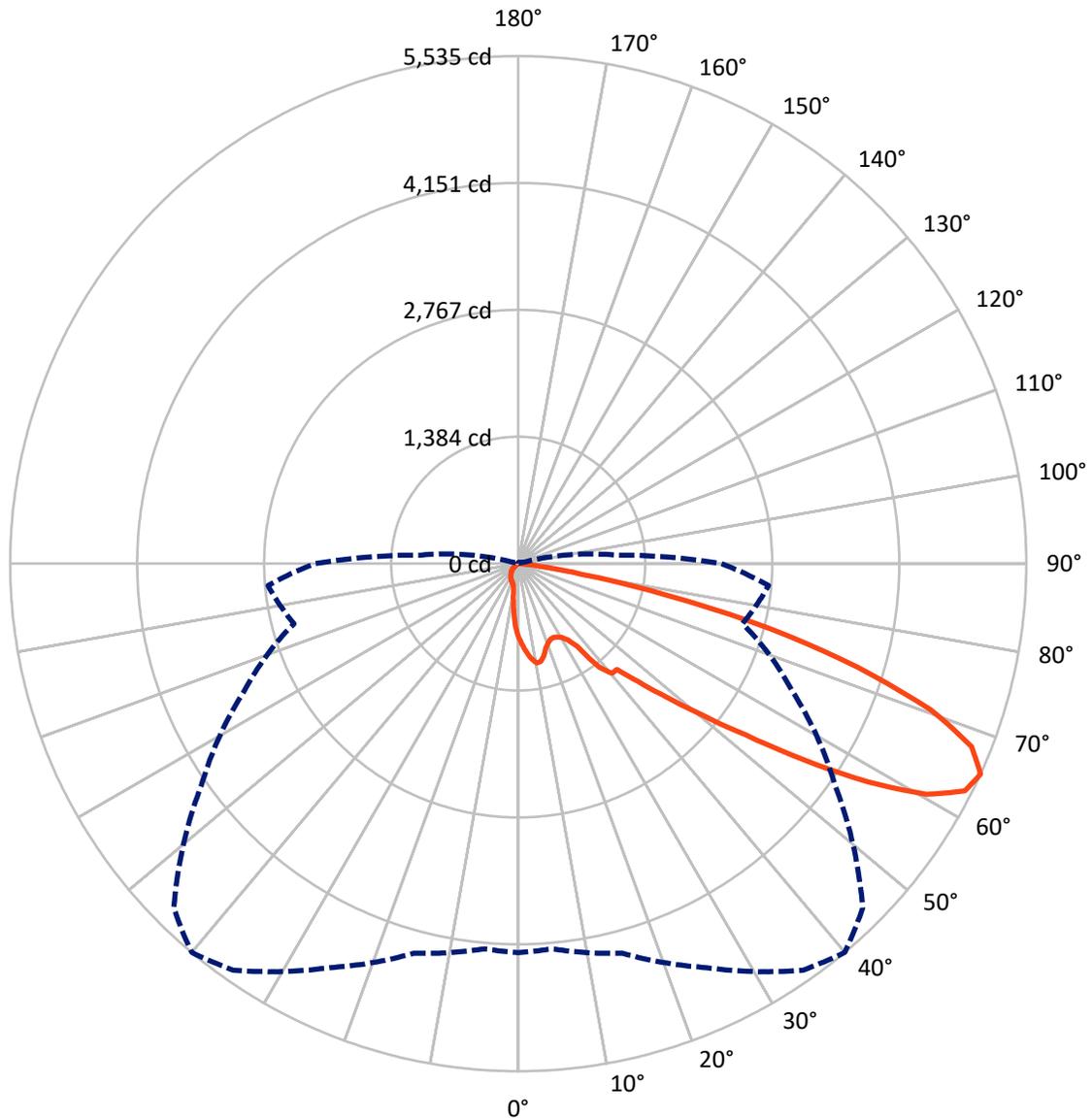
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P1208774
CATALOG NUMBER: UPW-SA2-070-730-U-SL4-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1208774

CATALOG NUMBER: UPW-SA2-070-730-U-SL4-HSS

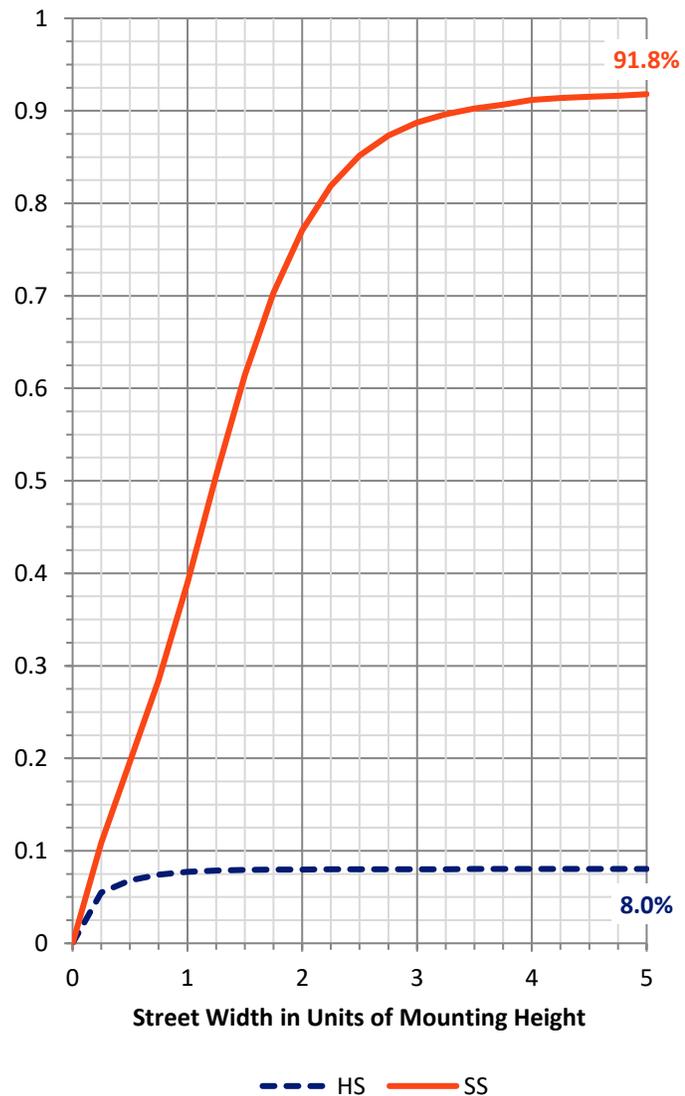
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	522.3	0.0	522.3
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	5930.8	0.0	5930.8
	% Fixture	91.9	0.0	91.9
Total	Lumens	6453.0	0.0	6453.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	1.1
10°-20°	207.8	3.2
20°-30°	324.4	5.0
30°-40°	537.6	8.3
40°-50°	911.5	14.1
50°-60°	1605.6	24.9
60°-70°	1999.9	31.0
70°-80°	751.6	11.6
80°-90°	40.7	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°	6453.0	100.0
0°-180°	6453.0	100.0



REPORT NUMBER: P1208774

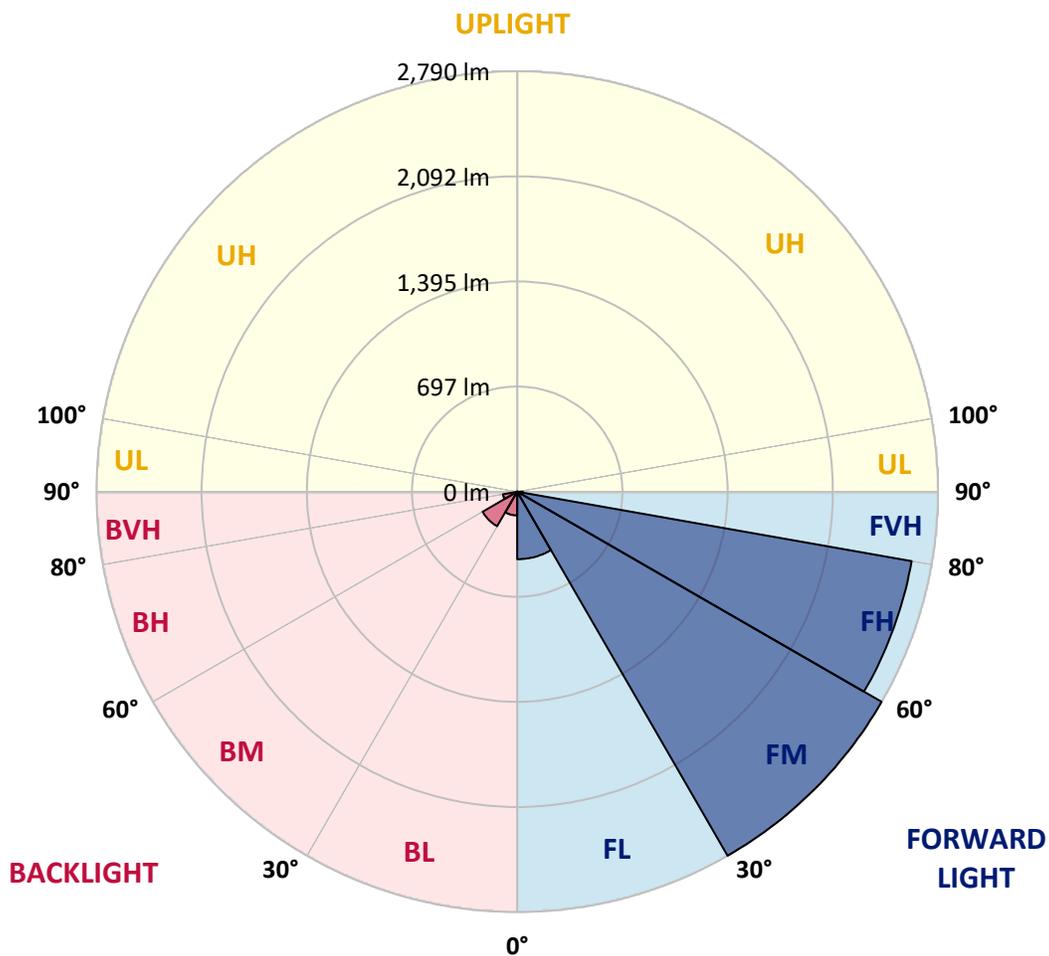
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	448.2	6.9			
FM	(30°-60°)	2789.5	43.2			
FH	(60°-80°)	2655.0	41.1			G2/5000
FVH	(80°-90°)	38.0	0.6			G1/100
BL	(0°-30°)	158.0	2.4	B1/500		
BM	(30°-60°)	265.2	4.1	B1/1000		
BH	(60°-80°)	96.4	1.5	B0/110		G0/110
BVH	(80°-90°)	2.7	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





REPORT NUMBER: P1208774

CATALOG NUMBER: UPW-SA2-070-730-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	805.9	805.9	805.9	805.9	805.9	805.9	805.9	805.9	805.9	805.9	805.9
2.5°	912.3	904.7	902.8	899.0	889.5	888.5	886.6	869.5	857.2	844.8	825.8
5°	1000.7	995.0	990.2	989.3	982.6	974.1	972.2	948.4	925.6	899.9	860.0
7.5°	1065.3	1059.6	1059.6	1059.6	1052.0	1049.1	1049.1	1024.4	1002.6	963.6	909.4
10°	1078.6	1074.8	1078.6	1088.1	1097.6	1101.4	1105.2	1099.5	1081.4	1038.7	973.1
12.5°	1045.3	1041.5	1045.3	1059.6	1077.6	1095.7	1119.5	1149.9	1156.5	1127.1	1041.5
15°	1012.1	1007.3	999.7	996.9	1015.9	1043.4	1075.7	1158.4	1219.2	1210.7	1120.4
17.5°	991.2	990.2	972.2	947.5	949.4	970.3	1012.1	1124.2	1249.7	1285.8	1193.6
20°	971.2	968.4	948.4	913.2	905.6	924.6	959.8	1076.7	1243.9	1355.1	1269.6
22.5°	960.8	957.0	930.3	888.5	880.9	898.0	929.4	1025.4	1215.4	1396.0	1341.8
25°	973.1	970.3	932.2	883.8	877.1	891.4	918.9	997.8	1178.4	1411.2	1399.8
27.5°	1014.9	1009.2	958.9	900.9	892.3	905.6	928.4	988.3	1146.1	1405.5	1446.4
30°	1157.5	1135.6	1060.5	952.2	925.6	934.1	952.2	1000.7	1125.2	1397.9	1498.6
32.5°	1434.0	1422.6	1297.2	1100.5	999.7	992.1	1004.5	1038.7	1139.4	1437.8	1595.6
35°	1914.9	1900.6	1722.9	1410.3	1149.9	1108.1	1100.5	1129.9	1247.8	1448.3	1611.7
37.5°	2289.3	2276.0	2126.8	1892.1	1570.9	1435.0	1346.6	1334.2	1254.4	1399.8	1631.7
40°	2471.7	2448.9	2230.4	1913.9	1674.4	1572.8	1474.9	1275.3	1186.0	1371.3	1683.0
42.5°	2912.7	2850.0	2592.4	2196.2	1763.8	1577.5	1404.6	1193.6	1210.7	1400.7	1762.8
45°	3403.0	3406.8	3095.1	2568.7	2056.5	1834.1	1617.4	1291.5	1299.1	1475.8	1868.3
47.5°	3968.5	3902.9	3573.1	3041.0	2422.3	2170.5	1928.2	1461.6	1424.5	1596.5	2009.9
50°	4380.0	4338.1	4081.6	3579.8	2873.7	2587.7	2269.3	1717.2	1629.8	1735.3	2153.4
52.5°	4607.1	4597.6	4469.3	4067.3	3432.5	3099.9	2683.7	2016.5	1880.7	1888.3	2259.8
55°	4785.7	4760.1	4754.4	4557.7	4064.5	3771.8	3230.1	2423.3	2199.0	2037.5	2366.3
57.5°	4965.3	4935.9	4960.6	4925.4	4743.9	4492.1	3885.8	2865.2	2476.5	2196.2	2493.6
60°	4968.2	4938.7	5008.1	5156.4	5237.1	5106.9	4551.0	3347.9	2782.5	2358.7	2666.6
62.5°	4739.2	4709.7	4828.5	5137.3	5474.7	5458.6	5067.0	3810.7	3087.5	2521.2	2810.1
65°	4240.3	4216.5	4398.0	4860.8	5411.0	5534.6	5307.5	4212.7	3294.7	2528.8	2735.9
67.5°	3233.9	3276.7	3584.6	4223.2	5080.3	5328.4	5273.2	4318.2	3193.0	2298.8	2453.7
70°	2086.9	2164.8	2508.8	3262.4	4322.9	4765.8	4794.3	3833.5	2672.3	1869.3	1843.6
72.5°	1110.9	1125.2	1442.6	2110.6	3287.1	3868.7	3911.5	2886.1	1828.4	1242.0	1006.4
75°	486.6	525.5	706.1	1186.9	2190.5	2834.8	2707.4	1729.6	943.7	568.3	389.6
77.5°	174.9	189.1	274.6	580.6	1236.3	1659.2	1546.1	822.0	381.1	251.8	114.0
80°	84.6	85.5	110.2	221.4	517.0	699.4	608.2	290.8	173.9	141.6	44.7
82.5°	28.5	35.2	62.7	87.4	192.0	238.5	175.8	108.3	103.6	107.4	31.4
85°	0.0	1.0	31.4	47.5	49.4	56.1	44.7	47.5	63.7	64.6	10.5
87.5°	0.0	0.0	0.0	9.5	10.5	10.5	5.7	11.4	26.6	31.4	1.9
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: P1208774

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	805.9	805.9	805.9	805.9	805.9	805.9	805.9	805.9	805.9	805.9	805.9
2.5°	814.4	803.0	780.2	761.2	735.5	717.5	698.5	689.9	684.2	660.5	658.6
5°	838.2	812.5	760.2	703.2	647.2	592.0	539.8	510.3	484.7	474.2	461.8
7.5°	873.3	834.4	742.2	644.3	538.8	453.3	395.3	363.0	336.4	331.7	327.9
10°	921.8	862.9	727.0	568.3	420.0	339.3	291.7	270.8	262.3	260.4	257.5
12.5°	975.0	899.0	709.9	479.9	328.8	260.4	240.4	240.4	245.2	247.1	247.1
15°	1043.4	940.8	677.6	401.0	264.2	228.1	227.1	230.9	235.7	237.6	238.5
17.5°	1103.3	984.5	636.7	328.8	227.1	216.7	218.6	221.4	226.2	230.0	230.0
20°	1167.9	1024.4	594.9	270.8	209.1	206.2	208.1	211.9	217.6	220.5	221.4
22.5°	1224.9	1055.8	546.4	232.8	196.7	196.7	199.6	203.4	210.0	214.8	214.8
25°	1272.5	1080.5	494.2	207.2	185.3	186.3	189.1	194.8	201.5	206.2	207.2
27.5°	1309.5	1092.9	434.3	186.3	173.9	173.9	178.7	185.3	193.9	199.6	199.6
30°	1357.0	1111.9	388.7	171.1	161.6	161.6	165.4	173.9	185.3	192.9	192.9
32.5°	1428.3	1145.1	340.2	157.8	150.1	150.1	153.9	161.6	173.0	182.5	184.4
35°	1439.7	1129.9	290.8	147.3	139.7	138.7	140.6	147.3	156.8	163.5	166.3
37.5°	1457.8	1129.9	244.2	135.9	129.2	128.3	129.2	132.1	135.9	137.8	136.8
40°	1497.7	1137.5	205.3	126.4	119.7	117.8	116.9	115.9	112.1	107.4	106.4
42.5°	1560.4	1157.5	172.0	115.9	109.3	107.4	104.5	97.9	89.3	82.7	82.7
45°	1635.5	1175.5	144.4	107.4	99.8	97.9	89.3	78.9	68.4	63.7	63.7
47.5°	1727.7	1197.4	122.6	99.8	92.2	87.4	73.2	60.8	52.3	50.4	50.4
50°	1834.1	1210.7	103.6	91.2	84.6	76.0	58.0	47.5	40.9	39.9	39.9
52.5°	1908.2	1209.7	88.4	83.6	77.0	63.7	46.6	38.0	33.3	31.4	31.4
55°	1979.5	1196.4	74.1	74.1	66.5	51.3	38.0	31.4	26.6	24.7	23.8
57.5°	2066.0	1189.8	63.7	61.8	54.2	41.8	31.4	25.7	20.9	17.1	16.2
60°	2203.8	1201.2	53.2	49.4	42.8	33.3	25.7	20.0	15.2	10.5	9.5
62.5°	2295.9	1189.8	43.7	39.9	34.2	26.6	19.0	14.3	8.6	5.7	4.8
65°	2210.4	1062.4	37.1	32.3	27.6	20.9	14.3	9.5	3.8	1.0	0.0
67.5°	1911.1	848.6	31.4	26.6	21.9	16.2	10.5	5.7	1.0	0.0	0.0
70°	1389.3	572.1	27.6	21.9	17.1	13.3	7.6	2.9	0.0	0.0	0.0
72.5°	727.0	268.9	24.7	20.0	15.2	10.5	5.7	1.9	0.0	0.0	0.0
75°	254.7	96.9	22.8	19.0	13.3	8.6	4.8	1.9	0.0	0.0	0.0
77.5°	79.8	43.7	22.8	20.0	14.3	8.6	4.8	1.9	0.0	0.0	0.0
80°	36.1	28.5	20.9	19.0	13.3	8.6	4.8	1.0	0.0	0.0	0.0
82.5°	25.7	22.8	20.0	17.1	12.4	7.6	3.8	1.0	0.0	0.0	0.0
85°	9.5	7.6	7.6	9.5	8.6	4.8	1.9	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	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)