

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: P1208099

Luminaire Tested: UPW-SA1-040-740-U-SL4-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-740-U-SL4-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 800mA 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: 4446 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

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



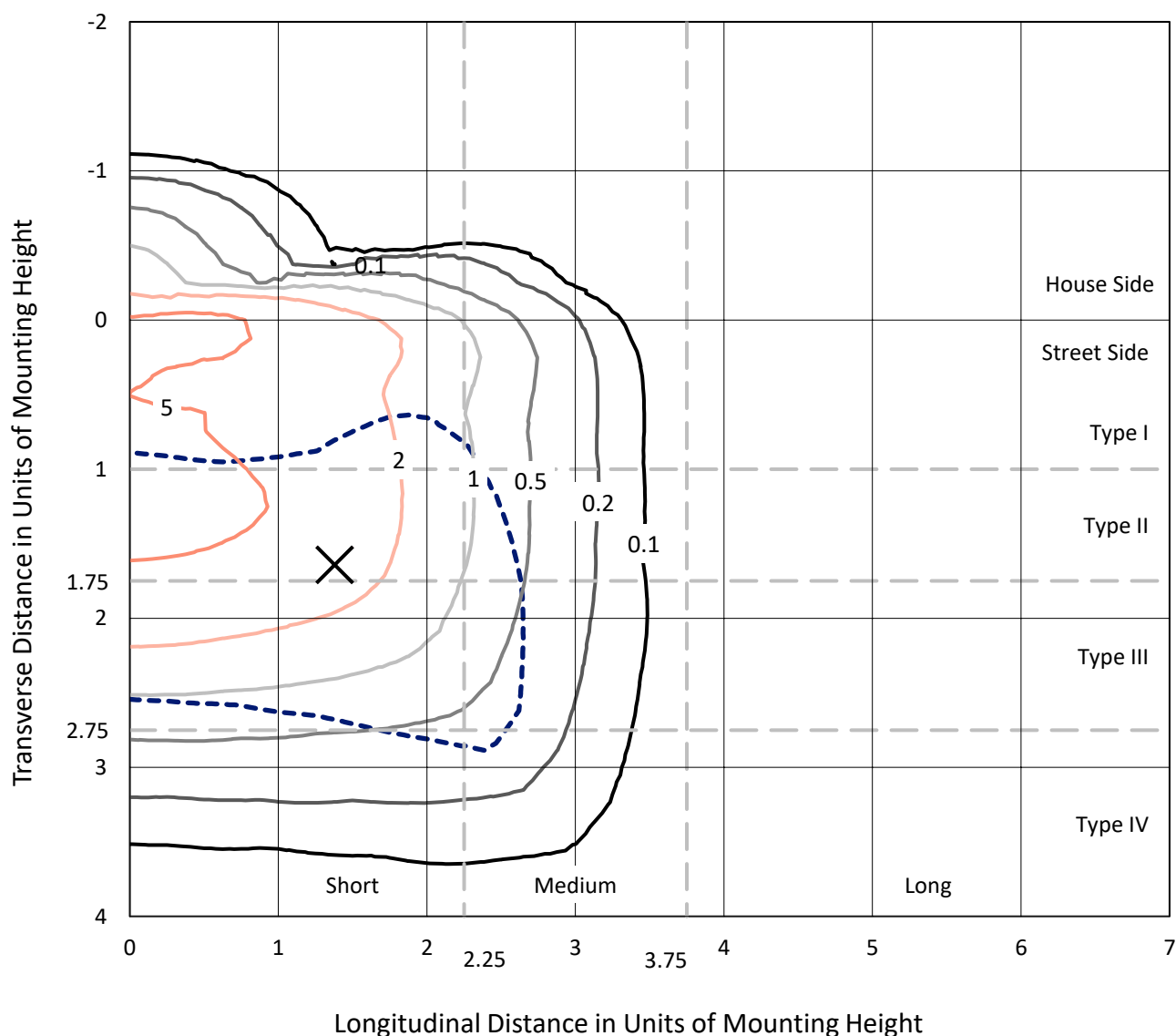
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

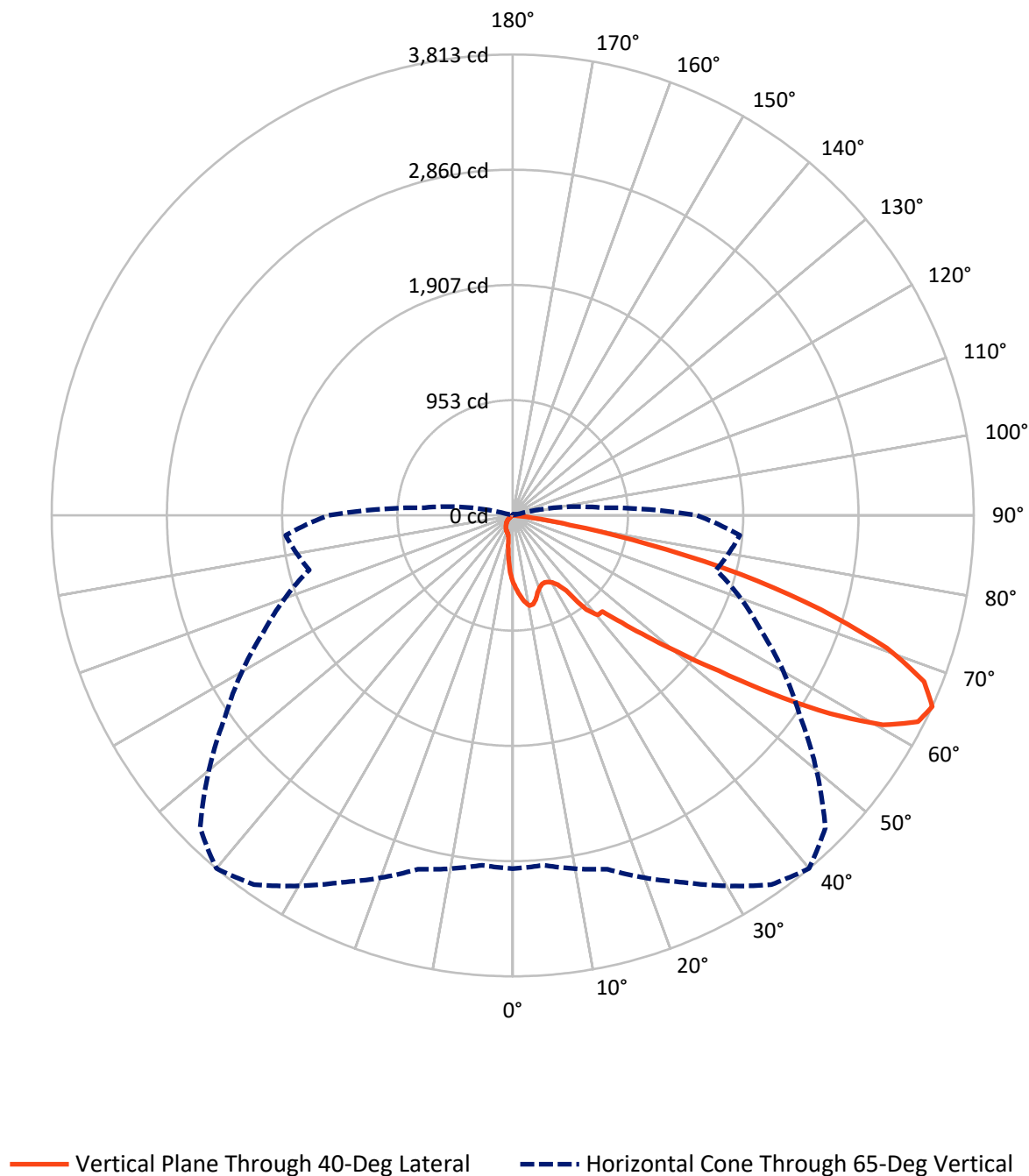


Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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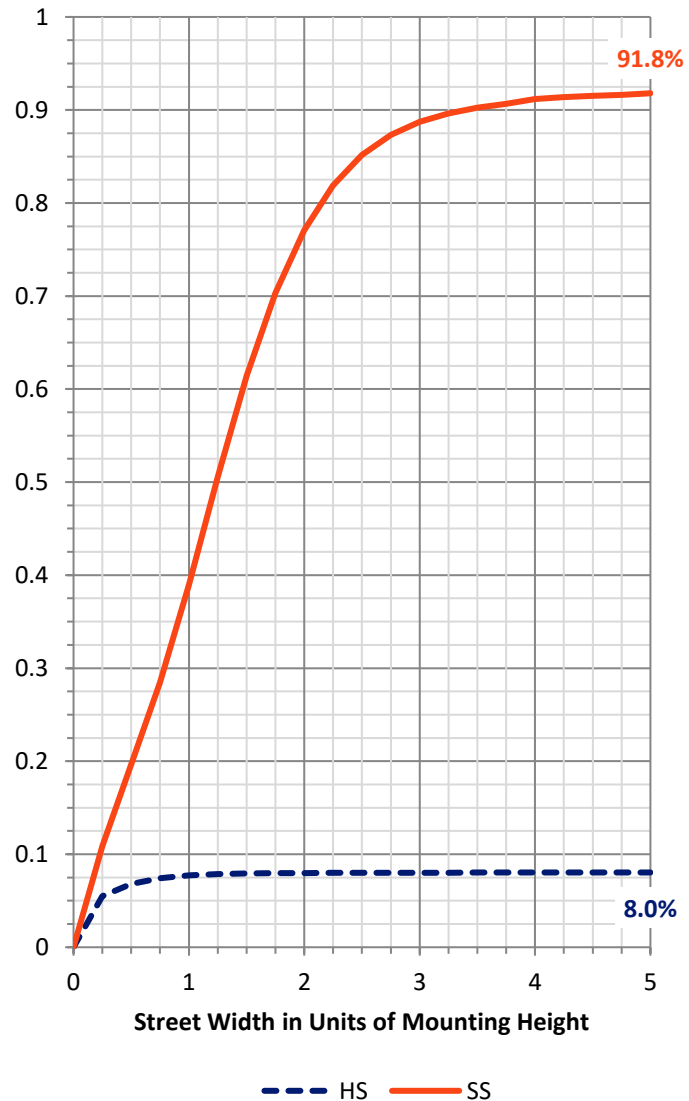
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	359.8	0.0	359.8
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	4086.2	0.0	4086.2
	% Fixture	91.9	0.0	91.9
Total	Lumens	4446.0	0.0	4446.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.9	1.1
10°-20°	143.2	3.2
20°-30°	223.5	5.0
30°-40°	370.4	8.3
40°-50°	628.0	14.1
50°-60°	1106.2	24.9
60°-70°	1377.9	31.0
70°-80°	517.8	11.6
80°-90°	28.0	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°	4446.0	100.0
0°-180°	4446.0	100.0



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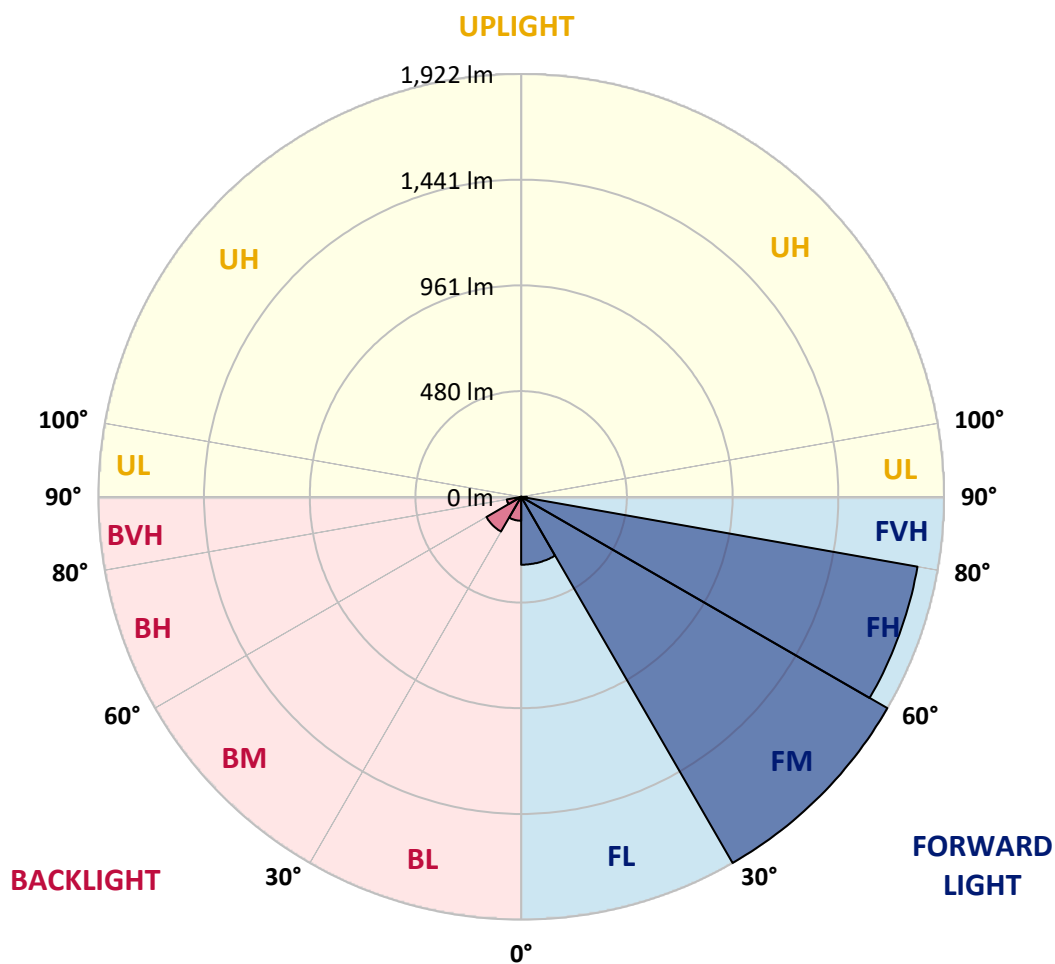
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	308.8	6.9			
FM	(30°-60°)	1921.9	43.2			
FH	(60°-80°)	1829.3	41.1			G2/5000
FVH	(80°-90°)	26.2	0.6			G1/100
BL	(0°-30°)	108.9	2.4	B0/110		
BM	(30°-60°)	182.7	4.1	B0/220		
BH	(60°-80°)	66.4	1.5	B0/110		G0/110
BVH	(80°-90°)	1.8	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-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2
2.5°	628.6	623.3	622.0	619.4	612.8	612.2	610.9	599.1	590.6	582.1	569.0
5°	689.4	685.5	682.2	681.6	677.0	671.1	669.8	653.4	637.7	620.0	592.5
7.5°	734.0	730.0	730.0	730.0	724.8	722.8	722.8	705.8	690.8	663.9	626.6
10°	743.1	740.5	743.1	749.7	756.2	758.8	761.5	757.5	745.1	715.6	670.5
12.5°	720.2	717.6	720.2	730.0	742.5	754.9	771.3	792.2	796.8	776.5	717.6
15°	697.3	694.0	688.8	686.8	699.9	718.9	741.2	798.1	840.0	834.1	771.9
17.5°	682.9	682.2	669.8	652.8	654.1	668.5	697.3	774.6	861.0	885.9	822.4
20°	669.1	667.2	653.4	629.2	624.0	637.1	661.3	741.8	857.1	933.7	874.7
22.5°	661.9	659.3	641.0	612.2	606.9	618.7	640.3	706.5	837.4	961.8	924.5
25°	670.5	668.5	642.3	608.9	604.3	614.1	633.1	687.5	811.9	972.3	964.4
27.5°	699.3	695.3	660.6	620.7	614.8	624.0	639.7	680.9	789.6	968.4	996.5
30°	797.5	782.4	730.7	656.1	637.7	643.6	656.1	689.4	775.2	963.1	1032.5
32.5°	988.0	980.2	893.7	758.2	688.8	683.6	692.1	715.6	785.0	990.6	1099.3
35°	1319.3	1309.5	1187.0	971.6	792.2	763.4	758.2	778.5	859.7	997.8	1110.4
37.5°	1577.3	1568.1	1465.3	1303.6	1082.3	988.7	927.8	919.3	864.3	964.4	1124.2
40°	1703.0	1687.3	1536.7	1318.7	1153.7	1083.6	1016.2	878.7	817.1	944.8	1159.5
42.5°	2006.8	1963.6	1786.1	1513.1	1215.2	1086.9	967.7	822.4	834.1	965.1	1214.5
45°	2344.6	2347.3	2132.5	1769.8	1416.9	1263.7	1114.4	889.8	895.0	1016.8	1287.2
47.5°	2734.2	2689.0	2461.8	2095.2	1668.9	1495.4	1328.5	1007.0	981.5	1100.0	1384.8
50°	3017.7	2988.9	2812.1	2466.4	1979.9	1782.9	1563.5	1183.1	1122.9	1195.6	1483.6
52.5°	3174.2	3167.6	3079.3	2802.3	2364.9	2135.8	1849.0	1389.4	1295.7	1301.0	1557.0
55°	3297.3	3279.6	3275.7	3140.1	2800.3	2598.7	2225.5	1669.6	1515.1	1403.8	1630.3
57.5°	3421.0	3400.7	3417.8	3393.5	3268.5	3095.0	2677.2	1974.1	1706.3	1513.1	1718.0
60°	3423.0	3402.7	3450.5	3552.6	3608.3	3518.6	3135.6	2306.7	1917.1	1625.1	1837.2
62.5°	3265.2	3244.9	3326.7	3539.5	3772.0	3760.8	3491.1	2625.5	2127.3	1737.0	1936.1
65°	2921.5	2905.1	3030.2	3349.0	3728.1	3813.2	3656.7	2902.5	2270.0	1742.3	1885.0
67.5°	2228.1	2257.6	2469.7	2909.7	3500.3	3671.1	3633.2	2975.2	2199.9	1583.8	1690.5
70°	1437.8	1491.5	1728.5	2247.7	2978.4	3283.5	3303.2	2641.2	1841.1	1287.9	1270.2
72.5°	765.4	775.2	993.9	1454.2	2264.8	2665.5	2694.9	1988.5	1259.7	855.7	693.4
75°	335.2	362.1	486.5	817.8	1509.2	1953.1	1865.4	1191.6	650.2	391.5	268.4
77.5°	120.5	130.3	189.2	400.0	851.8	1143.2	1065.3	566.4	262.6	173.5	78.6
80°	58.3	58.9	76.0	152.6	356.2	481.9	419.0	200.4	119.8	97.6	30.8
82.5°	19.6	24.2	43.2	60.2	132.3	164.3	121.1	74.6	71.4	74.0	21.6
85°	0.0	0.7	21.6	32.7	34.0	38.6	30.8	32.7	43.9	44.5	7.2
87.5°	0.0	0.0	0.0	6.5	7.2	7.2	3.9	7.9	18.3	21.6	1.3
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°	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2	555.2
2.5°	561.1	553.3	537.5	524.4	506.8	494.3	481.2	475.3	471.4	455.0	453.7
5°	577.5	559.8	523.8	484.5	445.9	407.9	371.9	351.6	333.9	326.7	318.2
7.5°	601.7	574.9	511.4	443.9	371.2	312.3	272.4	250.1	231.8	228.5	225.9
10°	635.1	594.5	500.9	391.5	289.4	233.7	201.0	186.6	180.7	179.4	177.4
12.5°	671.8	619.4	489.1	330.6	226.5	179.4	165.6	165.6	168.9	170.2	170.2
15°	718.9	648.2	466.8	276.3	182.0	157.1	156.5	159.1	162.4	163.7	164.3
17.5°	760.2	678.3	438.7	226.5	156.5	149.3	150.6	152.6	155.8	158.4	158.4
20°	804.7	705.8	409.9	186.6	144.0	142.1	143.4	146.0	149.9	151.9	152.6
22.5°	844.0	727.4	376.5	160.4	135.5	135.5	137.5	140.1	144.7	148.0	148.0
25°	876.7	744.4	340.5	142.7	127.7	128.3	130.3	134.2	138.8	142.1	142.7
27.5°	902.2	753.0	299.2	128.3	119.8	119.8	123.1	127.7	133.6	137.5	137.5
30°	935.0	766.0	267.8	117.9	111.3	111.3	113.9	119.8	127.7	132.9	132.9
32.5°	984.1	789.0	234.4	108.7	103.4	103.4	106.1	111.3	119.2	125.7	127.0
35°	991.9	778.5	200.4	101.5	96.2	95.6	96.9	101.5	108.0	112.6	114.6
37.5°	1004.4	778.5	168.3	93.6	89.0	88.4	89.0	91.0	93.6	94.9	94.3
40°	1031.9	783.7	141.4	87.1	82.5	81.2	80.5	79.9	77.3	74.0	73.3
42.5°	1075.1	797.5	118.5	79.9	75.3	74.0	72.0	67.4	61.5	57.0	57.0
45°	1126.8	809.9	99.5	74.0	68.7	67.4	61.5	54.3	47.1	43.9	43.9
47.5°	1190.3	825.0	84.5	68.7	63.5	60.2	50.4	41.9	36.0	34.7	34.7
50°	1263.7	834.1	71.4	62.9	58.3	52.4	39.9	32.7	28.2	27.5	27.5
52.5°	1314.7	833.5	60.9	57.6	53.0	43.9	32.1	26.2	22.9	21.6	21.6
55°	1363.8	824.3	51.1	51.1	45.8	35.4	26.2	21.6	18.3	17.0	16.4
57.5°	1423.4	819.7	43.9	42.6	37.3	28.8	21.6	17.7	14.4	11.8	11.1
60°	1518.3	827.6	36.7	34.0	29.5	22.9	17.7	13.7	10.5	7.2	6.5
62.5°	1581.9	819.7	30.1	27.5	23.6	18.3	13.1	9.8	5.9	3.9	3.3
65°	1522.9	732.0	25.5	22.3	19.0	14.4	9.8	6.5	2.6	0.7	0.0
67.5°	1316.7	584.7	21.6	18.3	15.1	11.1	7.2	3.9	0.7	0.0	0.0
70°	957.2	394.2	19.0	15.1	11.8	9.2	5.2	2.0	0.0	0.0	0.0
72.5°	500.9	185.3	17.0	13.7	10.5	7.2	3.9	1.3	0.0	0.0	0.0
75°	175.5	66.8	15.7	13.1	9.2	5.9	3.3	1.3	0.0	0.0	0.0
77.5°	55.0	30.1	15.7	13.7	9.8	5.9	3.3	1.3	0.0	0.0	0.0
80°	24.9	19.6	14.4	13.1	9.2	5.9	3.3	0.7	0.0	0.0	0.0
82.5°	17.7	15.7	13.7	11.8	8.5	5.2	2.6	0.7	0.0	0.0	0.0
85°	6.5	5.2	5.2	6.5	5.9	3.3	1.3	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	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)