

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: P1208018

Luminaire Tested: UPW-SA1-040-727-U-SL4-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208018
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-727-U-SL4-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 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: 3719 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

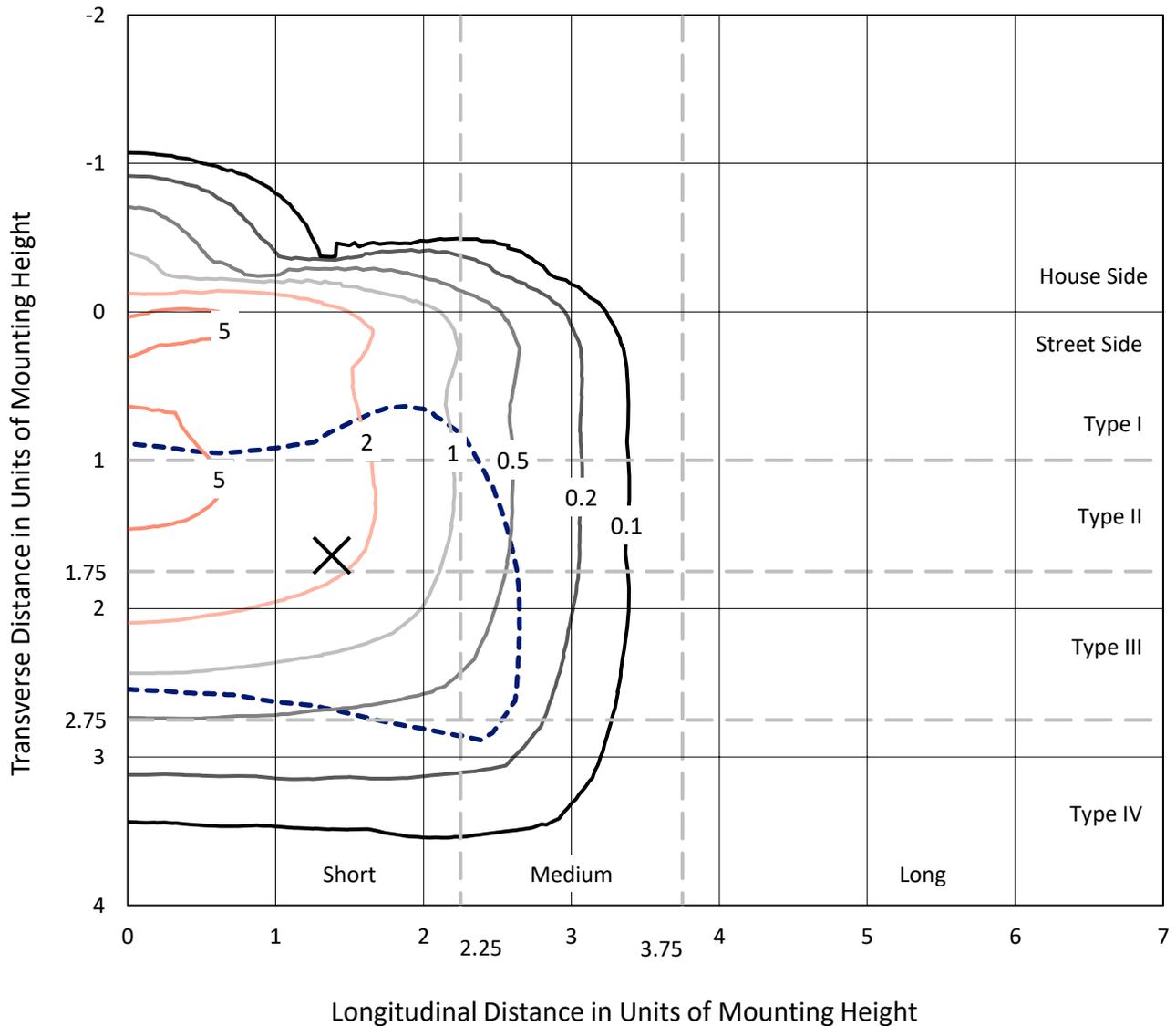
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

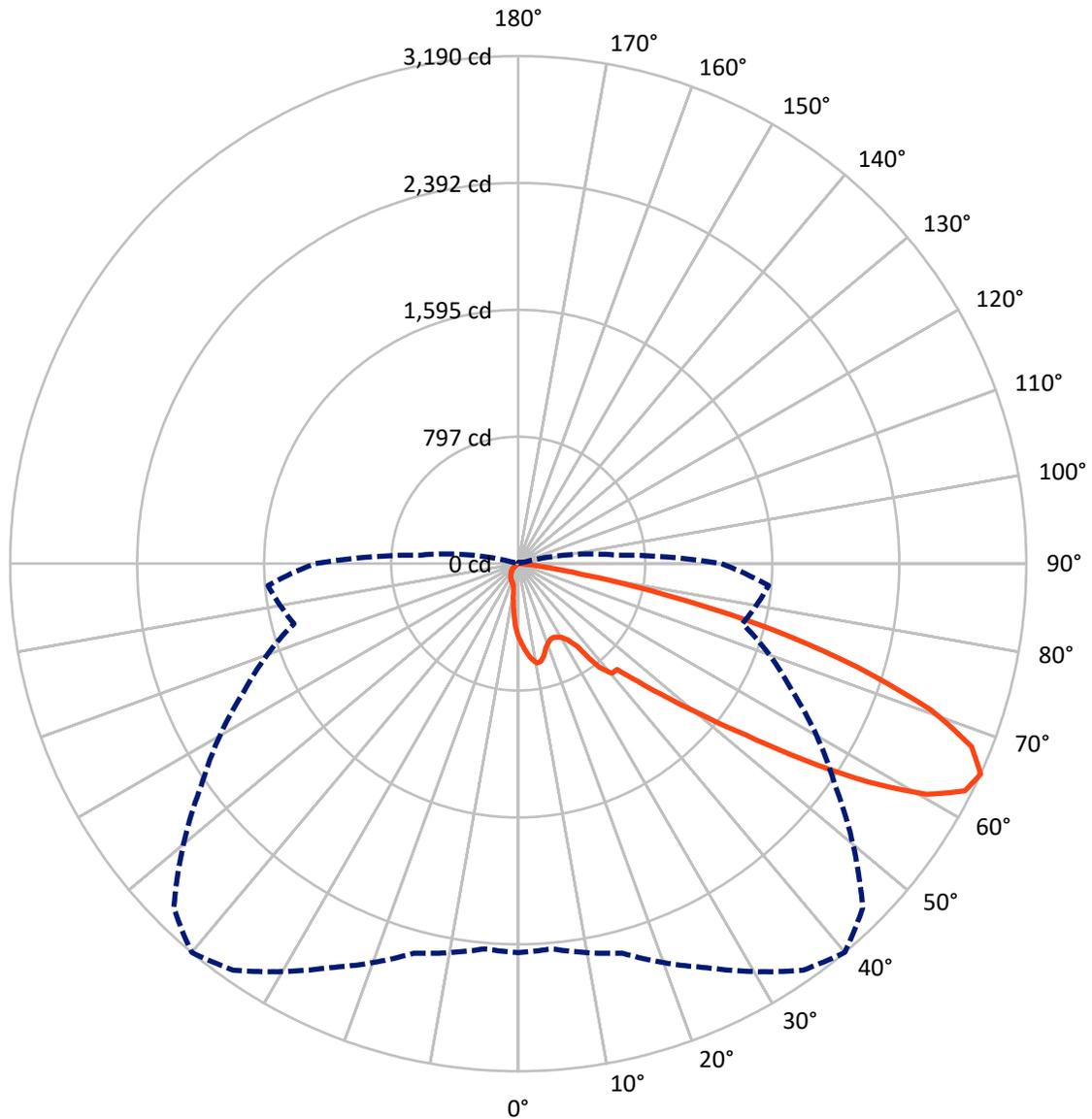
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 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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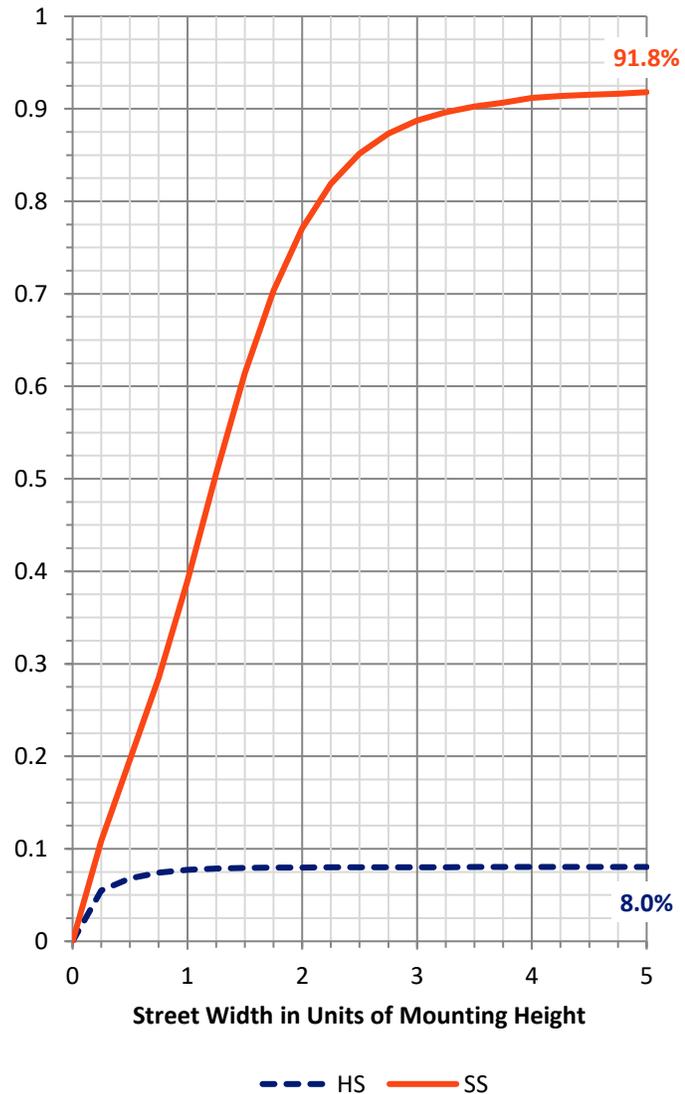
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	301.0	0.0	301.0
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	3418.0	0.0	3418.0
	% Fixture	91.9	0.0	91.9
Total	Lumens	3719.0	0.0	3719.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	1.1
10°-20°	119.8	3.2
20°-30°	187.0	5.0
30°-40°	309.8	8.3
40°-50°	525.3	14.1
50°-60°	925.3	24.9
60°-70°	1152.6	31.0
70°-80°	433.1	11.6
80°-90°	23.4	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°	3719.0	100.0
0°-180°	3719.0	100.0



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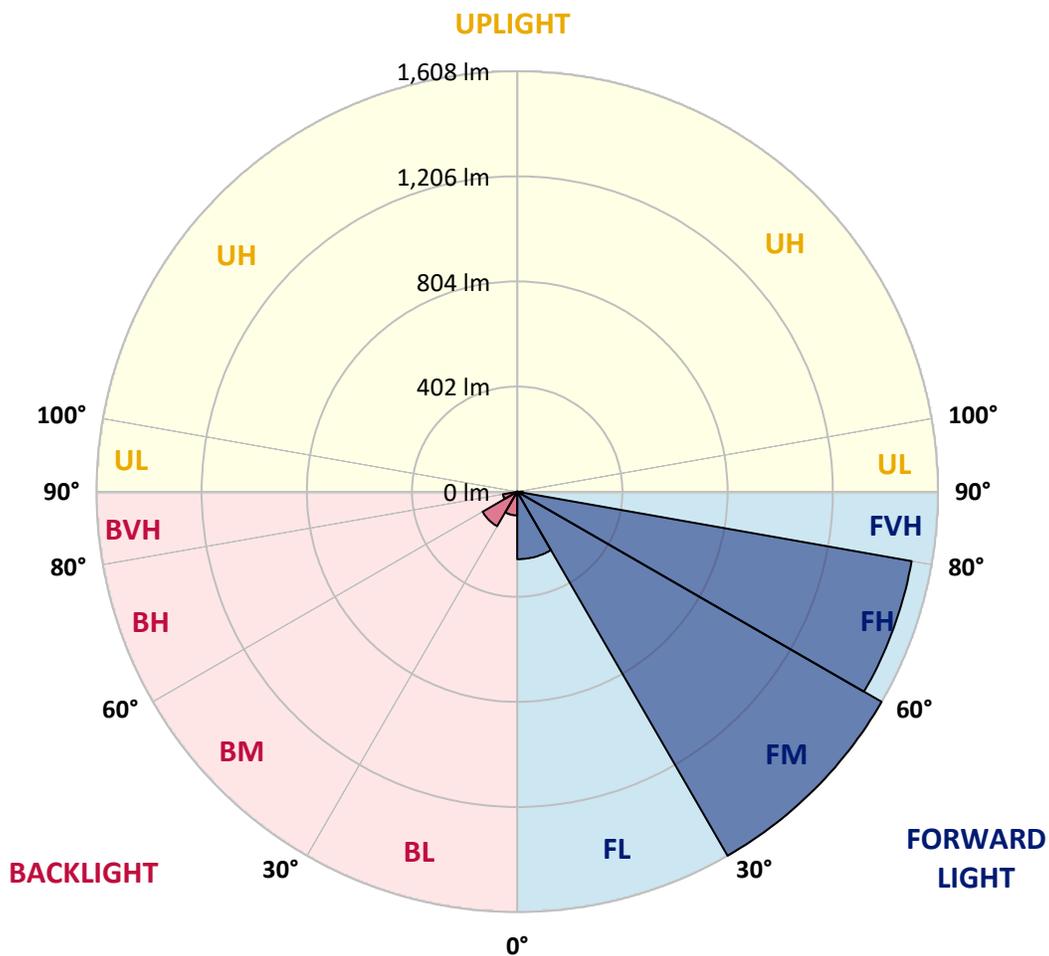
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	258.3	6.9			
FM	(30°-60°)	1607.7	43.2			
FH	(60°-80°)	1530.2	41.1			G1/1800
FVH	(80°-90°)	21.9	0.6			G1/100
BL	(0°-30°)	91.1	2.4	B0/110		
BM	(30°-60°)	152.8	4.1	B0/220		
BH	(60°-80°)	55.5	1.5	B0/110		G0/110
BVH	(80°-90°)	1.5	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-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	464.4	464.4	464.4	464.4	464.4	464.4	464.4	464.4	464.4	464.4	464.4
2.5°	525.8	521.4	520.3	518.1	512.6	512.1	511.0	501.1	494.0	486.9	475.9
5°	576.7	573.4	570.7	570.1	566.3	561.4	560.3	546.6	533.4	518.7	495.7
7.5°	614.0	610.7	610.7	610.7	606.3	604.6	604.6	590.4	577.8	555.3	524.1
10°	621.6	619.4	621.6	627.1	632.6	634.8	637.0	633.7	623.3	598.6	560.8
12.5°	602.4	600.3	602.4	610.7	621.1	631.5	645.2	662.7	666.5	649.5	600.3
15°	583.3	580.5	576.2	574.5	585.5	601.4	620.0	667.6	702.7	697.7	645.7
17.5°	571.2	570.7	560.3	546.0	547.1	559.2	583.3	647.9	720.2	741.0	687.9
20°	559.7	558.1	546.6	526.3	521.9	532.9	553.2	620.5	716.9	781.0	731.7
22.5°	553.7	551.5	536.2	512.1	507.7	517.6	535.6	590.9	700.5	804.5	773.3
25°	560.8	559.2	537.3	509.3	505.5	513.7	529.6	575.1	679.1	813.3	806.7
27.5°	584.9	581.6	552.6	519.2	514.3	521.9	535.1	569.6	660.5	810.0	833.6
30°	667.1	654.5	611.2	548.8	533.4	538.4	548.8	576.7	648.5	805.6	863.7
32.5°	826.5	819.9	747.6	634.2	576.2	571.8	578.9	598.6	656.7	828.6	919.6
35°	1103.6	1095.4	992.9	812.8	662.7	638.6	634.2	651.2	719.1	834.7	928.9
37.5°	1319.4	1311.7	1225.7	1090.4	905.3	827.0	776.1	768.9	722.9	806.7	940.4
40°	1424.5	1411.4	1285.4	1103.0	965.0	906.4	850.0	735.0	683.5	790.3	969.9
42.5°	1678.6	1642.5	1494.1	1265.7	1016.5	909.2	809.5	687.9	697.7	807.3	1015.9
45°	1961.2	1963.4	1783.8	1480.4	1185.2	1057.0	932.2	744.3	748.7	850.5	1076.7
47.5°	2287.1	2249.3	2059.3	1752.6	1396.0	1250.9	1111.2	842.3	821.0	920.1	1158.3
50°	2524.3	2500.2	2352.3	2063.1	1656.2	1491.3	1307.9	989.7	939.3	1000.1	1241.0
52.5°	2655.2	2649.7	2575.7	2344.1	1978.2	1786.5	1546.7	1162.2	1083.9	1088.2	1302.4
55°	2758.1	2743.3	2740.0	2626.7	2342.4	2173.7	1861.6	1396.6	1267.3	1174.2	1363.7
57.5°	2861.6	2844.7	2858.9	2838.6	2734.0	2588.9	2239.5	1651.3	1427.3	1265.7	1437.1
60°	2863.3	2846.3	2886.3	2971.7	3018.3	2943.2	2622.8	1929.5	1603.6	1359.3	1536.8
62.5°	2731.3	2714.3	2782.8	2960.8	3155.2	3145.9	2920.2	2196.2	1779.4	1453.0	1619.5
65°	2443.8	2430.1	2534.7	2801.4	3118.5	3189.7	3058.8	2427.9	1898.8	1457.4	1576.8
67.5°	1863.8	1888.4	2065.9	2433.9	2927.9	3070.8	3039.1	2488.7	1840.2	1324.8	1414.1
70°	1202.7	1247.6	1445.9	1880.2	2491.4	2746.6	2763.1	2209.3	1540.1	1077.3	1062.5
72.5°	640.2	648.5	831.4	1216.4	1894.4	2229.6	2254.3	1663.3	1053.7	715.8	580.0
75°	280.4	302.9	406.9	684.1	1262.4	1633.7	1560.3	996.8	543.8	327.5	224.5
77.5°	100.8	109.0	158.3	334.6	712.5	956.3	891.1	473.7	219.6	145.1	65.7
80°	48.7	49.3	63.5	127.6	297.9	403.1	350.5	167.6	100.2	81.6	25.7
82.5°	16.4	20.3	36.1	50.4	110.6	137.5	101.3	62.4	59.7	61.9	18.1
85°	0.0	0.5	18.1	27.4	28.5	32.3	25.7	27.4	36.7	37.2	6.0
87.5°	0.0	0.0	0.0	5.5	6.0	6.0	3.3	6.6	15.3	18.1	1.1
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°	464.4	464.4	464.4	464.4	464.4	464.4	464.4	464.4	464.4	464.4	464.4
2.5°	469.4	462.8	449.6	438.7	423.9	413.5	402.5	397.6	394.3	380.6	379.5
5°	483.1	468.3	438.1	405.3	373.0	341.2	311.1	294.1	279.3	273.3	266.2
7.5°	503.3	480.9	427.7	371.3	310.5	261.2	227.8	209.2	193.9	191.1	188.9
10°	531.3	497.3	419.0	327.5	242.1	195.5	168.1	156.1	151.2	150.1	148.4
12.5°	561.9	518.1	409.1	276.6	189.5	150.1	138.6	138.6	141.3	142.4	142.4
15°	601.4	542.2	390.5	231.1	152.3	131.4	130.9	133.1	135.8	136.9	137.5
17.5°	635.9	567.4	366.9	189.5	130.9	124.9	126.0	127.6	130.3	132.5	132.5
20°	673.1	590.4	342.8	156.1	120.5	118.8	119.9	122.1	125.4	127.1	127.6
22.5°	706.0	608.5	314.9	134.2	113.4	113.4	115.0	117.2	121.0	123.8	123.8
25°	733.3	622.7	284.8	119.4	106.8	107.3	109.0	112.3	116.1	118.8	119.4
27.5°	754.7	629.8	250.3	107.3	100.2	100.2	103.0	106.8	111.7	115.0	115.0
30°	782.1	640.8	224.0	98.6	93.1	93.1	95.3	100.2	106.8	111.2	111.2
32.5°	823.2	660.0	196.1	90.9	86.5	86.5	88.7	93.1	99.7	105.2	106.3
35°	829.7	651.2	167.6	84.9	80.5	80.0	81.1	84.9	90.4	94.2	95.8
37.5°	840.1	651.2	140.8	78.3	74.5	73.9	74.5	76.1	78.3	79.4	78.9
40°	863.1	655.6	118.3	72.8	69.0	67.9	67.4	66.8	64.6	61.9	61.3
42.5°	899.3	667.1	99.1	66.8	63.0	61.9	60.2	56.4	51.5	47.6	47.6
45°	942.6	677.5	83.2	61.9	57.5	56.4	51.5	45.5	39.4	36.7	36.7
47.5°	995.7	690.1	70.7	57.5	53.1	50.4	42.2	35.1	30.1	29.0	29.0
50°	1057.0	697.7	59.7	52.6	48.7	43.8	33.4	27.4	23.6	23.0	23.0
52.5°	1099.7	697.2	50.9	48.2	44.4	36.7	26.8	21.9	19.2	18.1	18.1
55°	1140.8	689.5	42.7	42.7	38.3	29.6	21.9	18.1	15.3	14.2	13.7
57.5°	1190.7	685.7	36.7	35.6	31.2	24.1	18.1	14.8	12.0	9.9	9.3
60°	1270.1	692.3	30.7	28.5	24.6	19.2	14.8	11.5	8.8	6.0	5.5
62.5°	1323.2	685.7	25.2	23.0	19.7	15.3	11.0	8.2	4.9	3.3	2.7
65°	1273.9	612.3	21.4	18.6	15.9	12.0	8.2	5.5	2.2	0.5	0.0
67.5°	1101.4	489.1	18.1	15.3	12.6	9.3	6.0	3.3	0.5	0.0	0.0
70°	800.7	329.7	15.9	12.6	9.9	7.7	4.4	1.6	0.0	0.0	0.0
72.5°	419.0	155.0	14.2	11.5	8.8	6.0	3.3	1.1	0.0	0.0	0.0
75°	146.8	55.9	13.1	11.0	7.7	4.9	2.7	1.1	0.0	0.0	0.0
77.5°	46.0	25.2	13.1	11.5	8.2	4.9	2.7	1.1	0.0	0.0	0.0
80°	20.8	16.4	12.0	11.0	7.7	4.9	2.7	0.5	0.0	0.0	0.0
82.5°	14.8	13.1	11.5	9.9	7.1	4.4	2.2	0.5	0.0	0.0	0.0
85°	5.5	4.4	4.4	5.5	4.9	2.7	1.1	0.0	0.0	0.0	0.0
87.5°	0.5	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)