

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: P1207935

Luminaire Tested: UPW-SA1-030-827-U-SL3-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207935  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-030-827-U-SL3-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2530 lumens  
Efficiency: N/A  
Efficacy: 74.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1

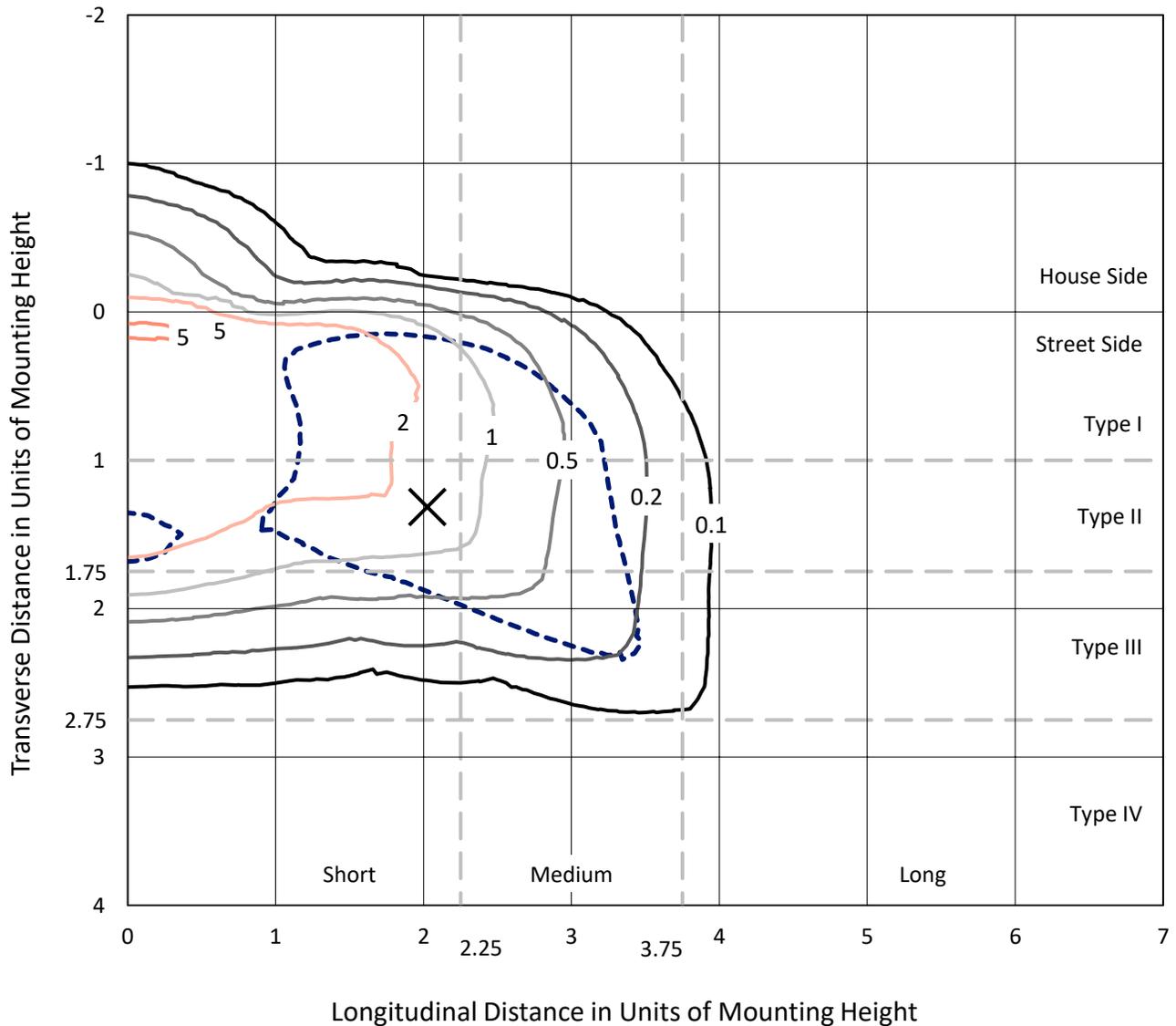
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P1207935  
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### Iso-Footcandle Lines of Horizontal Illumination

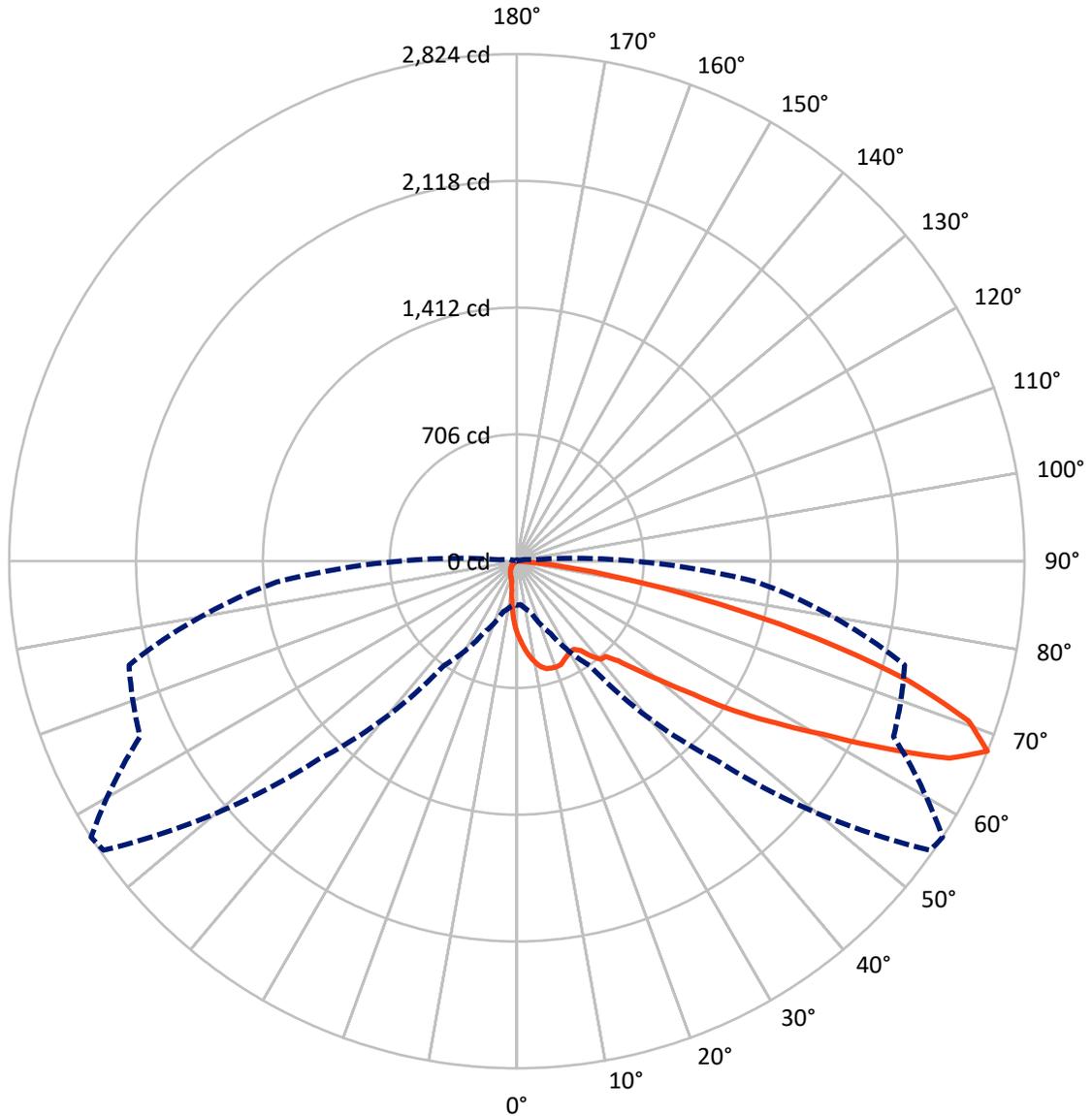
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc  
 Type III - Short - N/A

REPORT NUMBER: P1207935  
CATALOG NUMBER: UPW-SA1-030-827-U-SL3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P1207935

CATALOG NUMBER: UPW-SA1-030-827-U-SL3-HSS

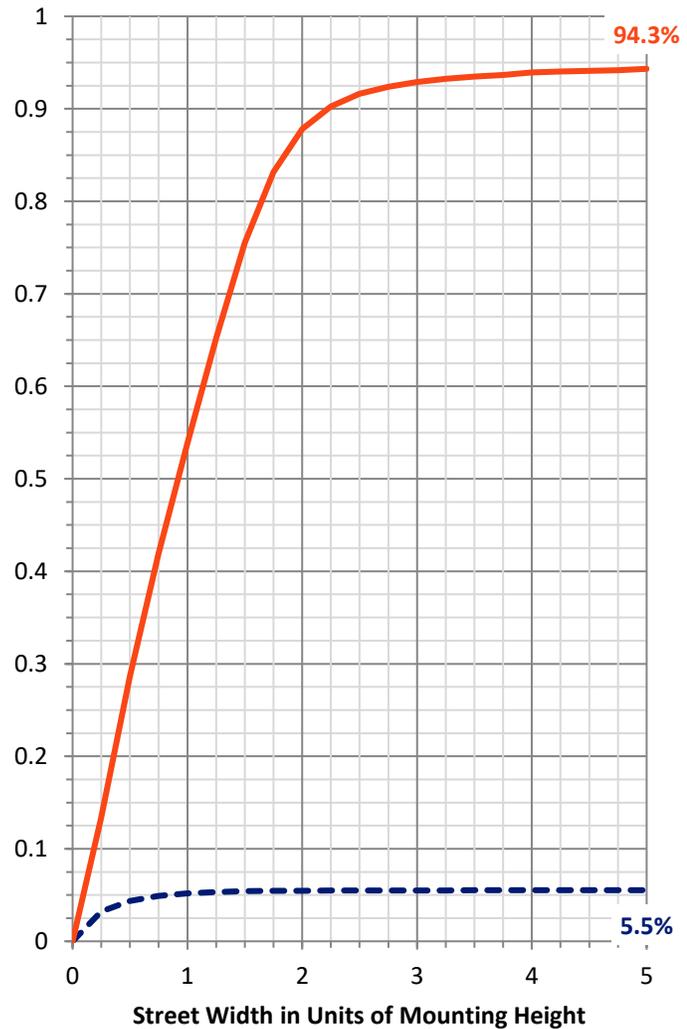
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	140.8	0.0	140.8
	% Fixture	5.6	0.0	5.6
<b>Street Side</b>	Lumens	2389.2	0.0	2389.2
	% Fixture	94.4	0.0	94.4
<b>Total</b>	Lumens	2530.0	0.0	2530.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.2	1.4
10°-20°	94.1	3.7
20°-30°	137.7	5.4
30°-40°	207.1	8.2
40°-50°	337.9	13.4
50°-60°	639.6	25.3
60°-70°	730.9	28.9
70°-80°	319.0	12.6
80°-90°	27.6	1.1
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°	2530.0	100.0
0°-180°	2530.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P1207935

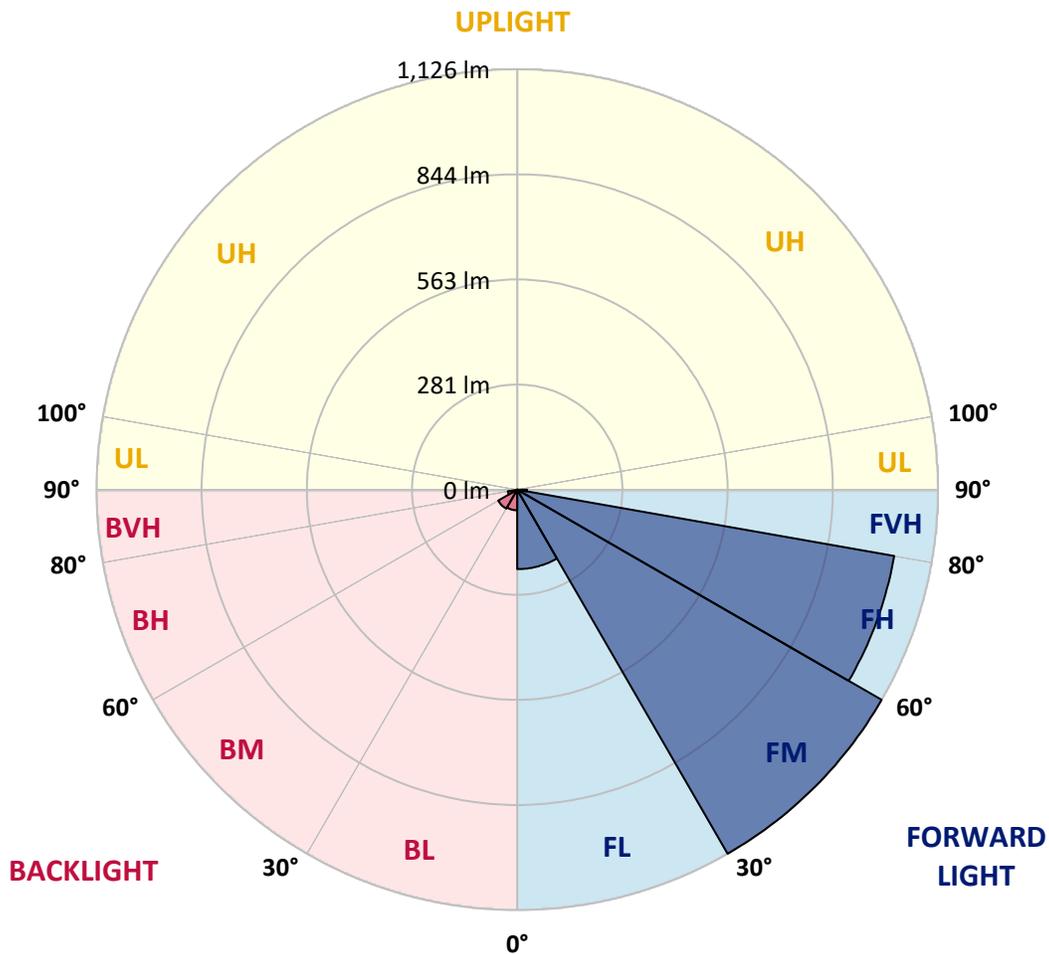
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	212.8	8.4			
FM (30°-60°)	1125.9	44.5			
FH (60°-80°)	1024.4	40.5			G1/1800
FVH (80°-90°)	26.2	1.0			G1/100
BL (0°-30°)	55.3	2.2	B0/110		
BM (30°-60°)	58.7	2.3	B0/220		
BH (60°-80°)	25.5	1.0	B0/110		G0/110
BVH (80°-90°)	1.4	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 III Short





REPORT NUMBER: P1207935

CATALOG NUMBER: UPW-SA1-030-827-U-SL3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5
2.5°	475.2	479.1	480.7	474.0	467.7	463.0	453.6	447.7	438.6	427.6	412.3
5°	545.1	544.7	540.7	535.6	532.9	518.0	502.3	496.0	481.4	454.0	424.1
7.5°	571.4	573.7	576.5	573.3	568.6	560.8	542.3	537.6	516.4	480.7	438.6
10°	559.2	563.1	567.8	576.1	591.8	594.5	580.4	575.3	549.8	510.5	450.8
12.5°	503.0	508.9	516.8	543.5	580.0	602.8	605.9	604.4	582.8	537.2	459.4
15°	428.4	422.1	442.6	479.5	539.6	591.8	620.1	621.2	610.2	562.3	468.9
17.5°	372.3	378.2	387.2	415.1	477.5	552.5	618.1	625.6	630.7	589.0	479.9
20°	362.8	363.2	367.2	382.5	415.1	505.4	611.4	629.1	655.8	615.3	484.6
22.5°	371.9	369.5	371.5	374.6	395.0	457.5	597.3	625.9	670.7	647.9	494.4
25°	383.7	386.4	382.9	378.9	390.7	435.9	580.8	610.2	693.1	677.0	498.7
27.5°	416.6	418.2	408.8	394.7	399.0	426.1	555.3	597.7	726.9	709.6	505.8
30°	470.4	468.9	449.2	426.1	416.3	432.4	539.2	583.9	744.9	734.7	502.3
32.5°	510.5	507.4	488.1	464.2	446.9	456.3	539.2	585.5	781.5	778.7	508.9
35°	546.6	543.9	519.9	500.7	485.8	494.4	569.4	611.0	833.7	860.4	532.5
37.5°	585.9	578.4	559.6	526.2	521.5	554.9	634.6	669.1	916.5	936.2	533.3
40°	647.9	641.7	611.4	576.9	551.3	600.0	685.6	718.6	975.1	997.0	530.1
42.5°	733.2	718.2	680.9	630.7	589.8	624.4	691.5	725.7	1019.4	1091.7	560.4
45°	825.8	821.5	769.7	704.9	661.7	657.4	754.0	791.7	1118.0	1244.4	625.9
47.5°	959.7	926.0	857.6	788.5	751.6	722.6	849.8	907.1	1238.2	1423.1	723.7
50°	1100.7	1081.1	977.0	881.6	836.4	825.8	1001.4	1053.2	1392.1	1624.2	886.7
52.5°	1341.0	1295.9	1155.3	1035.1	957.0	946.8	1166.3	1232.7	1565.7	1864.1	1051.2
55°	1502.8	1474.9	1333.6	1242.9	1140.4	1109.4	1399.9	1472.6	1778.1	2073.4	1215.8
57.5°	1554.7	1520.5	1393.3	1371.3	1347.7	1365.4	1642.2	1702.7	1925.4	2236.8	1361.5
60°	1346.9	1345.8	1273.1	1330.4	1447.1	1651.3	1928.5	1955.2	2044.7	2336.9	1452.2
62.5°	968.8	965.6	980.2	1122.3	1339.9	1844.9	2322.4	2292.5	2148.4	2392.7	1501.3
65°	502.3	504.6	577.6	765.0	1077.9	1829.9	2682.9	2645.2	2212.4	2358.5	1466.7
67.5°	245.0	243.1	290.6	444.9	711.9	1562.5	2806.6	2824.2	2312.9	2233.2	1341.8
70°	122.1	123.7	158.3	234.8	388.8	1122.3	2591.8	2666.8	2220.3	1966.6	1142.7
72.5°	86.0	87.2	107.6	139.4	181.8	681.3	2151.2	2280.4	1853.1	1564.5	805.4
75°	61.7	63.6	78.9	104.1	100.9	342.0	1662.7	1739.2	1343.4	966.0	426.9
77.5°	44.8	47.5	61.7	80.1	69.9	143.7	1151.4	1149.4	757.9	459.1	172.8
80°	29.5	31.4	45.6	59.3	49.9	66.8	674.6	635.4	335.4	175.9	62.8
82.5°	16.5	17.3	30.6	41.2	34.6	31.4	301.6	278.0	113.5	64.4	29.5
85°	1.2	2.0	18.1	25.9	18.5	15.7	84.4	76.6	36.5	29.5	15.7
87.5°	0.0	0.0	2.4	4.7	3.1	2.4	20.4	17.7	11.0	17.3	7.9
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: P1207935

CATALOG NUMBER: UPW-SA1-030-827-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5	402.5
2.5°	406.0	395.0	378.6	362.5	346.7	332.6	322.4	312.2	307.9	298.1	314.9
5°	408.4	388.8	349.5	311.4	278.4	243.1	219.9	203.4	195.2	187.7	188.1
7.5°	410.8	380.9	320.4	256.0	208.5	171.2	150.4	142.9	139.8	135.9	135.9
10°	408.0	368.3	278.8	201.5	153.1	133.1	121.7	119.0	120.6	120.2	121.3
12.5°	408.0	353.4	236.4	157.1	125.7	113.9	110.7	110.3	112.7	114.3	115.1
15°	402.9	330.6	194.0	128.8	110.0	105.6	104.5	104.5	106.0	107.6	107.2
17.5°	398.6	307.9	158.6	110.7	100.5	99.4	98.6	97.8	99.7	101.3	101.7
20°	388.0	276.1	130.8	99.7	94.2	92.7	92.3	91.5	93.5	95.0	96.2
22.5°	372.7	239.9	111.9	91.5	88.7	86.8	85.6	86.0	88.0	89.5	88.7
25°	352.2	208.1	98.2	85.6	81.7	80.5	78.9	79.7	80.1	81.7	82.9
27.5°	329.9	177.1	89.1	80.9	77.0	74.6	72.6	72.3	72.6	74.6	73.8
30°	296.9	150.0	82.9	75.4	71.1	67.9	65.6	64.4	64.0	64.4	64.8
32.5°	271.7	131.9	78.5	71.1	65.6	61.7	58.9	56.5	55.8	55.0	55.0
35°	255.6	122.1	74.2	65.2	60.1	56.2	51.8	49.1	47.5	46.7	47.1
37.5°	221.1	105.2	69.1	60.9	55.0	50.3	45.9	41.6	40.4	41.2	41.2
40°	192.0	90.3	64.4	55.8	49.1	44.8	40.1	34.9	34.2	36.5	36.9
42.5°	181.0	83.6	60.1	51.0	44.0	40.4	34.2	30.2	30.2	32.2	32.6
45°	194.4	81.7	56.2	46.7	39.7	35.7	29.5	25.9	25.9	27.9	28.3
47.5°	236.8	84.8	52.2	42.4	36.5	31.4	24.3	22.8	22.8	23.6	24.0
50°	326.7	95.0	48.3	38.1	33.4	26.7	21.2	19.6	19.2	19.6	19.6
52.5°	441.0	115.5	44.0	34.2	29.5	22.4	18.5	16.9	15.7	15.7	15.3
55°	556.4	137.4	39.7	30.2	25.5	19.2	15.7	14.1	12.2	11.4	11.0
57.5°	658.1	155.1	34.6	26.7	22.0	16.5	13.7	10.6	7.9	6.3	6.3
60°	721.4	159.8	29.8	23.2	18.1	14.1	11.0	7.1	3.9	3.1	2.7
62.5°	733.2	144.9	25.5	19.6	15.3	11.8	7.9	3.9	1.6	0.4	0.4
65°	701.3	114.3	22.0	16.5	12.6	9.4	5.1	2.0	0.0	0.0	0.0
67.5°	647.9	89.9	18.5	13.7	10.6	7.5	3.1	0.4	0.0	0.0	0.0
70°	565.1	71.9	16.1	11.8	9.0	6.3	2.0	0.0	0.0	0.0	0.0
72.5°	416.3	47.5	14.1	10.6	7.9	4.7	1.2	0.0	0.0	0.0	0.0
75°	227.8	30.2	13.0	9.8	7.5	3.9	0.8	0.0	0.0	0.0	0.0
77.5°	92.3	21.2	11.4	9.4	7.5	3.9	0.8	0.0	0.0	0.0	0.0
80°	34.9	14.9	9.8	8.2	7.1	3.9	0.8	0.0	0.0	0.0	0.0
82.5°	18.5	12.2	9.4	8.2	6.7	3.5	0.4	0.0	0.0	0.0	0.0
85°	9.0	3.9	4.7	4.7	5.5	3.1	0.4	0.0	0.0	0.0	0.0
87.5°	2.0	0.0	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)