

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: P1208675

Luminaire Tested: UPW-SA1-070-827-U-T2R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208675
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-827-U-T2R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS WIT
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4916 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

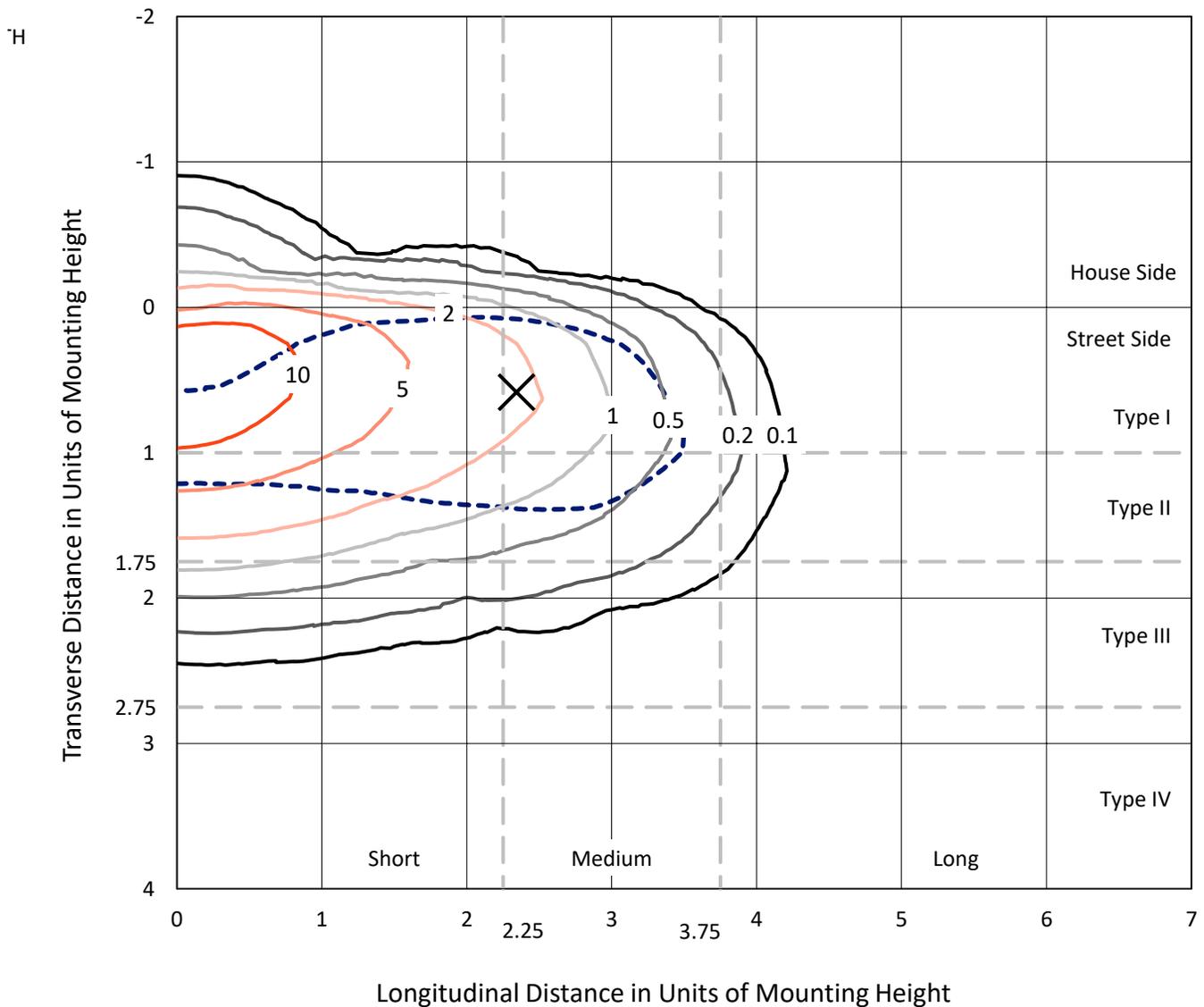
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

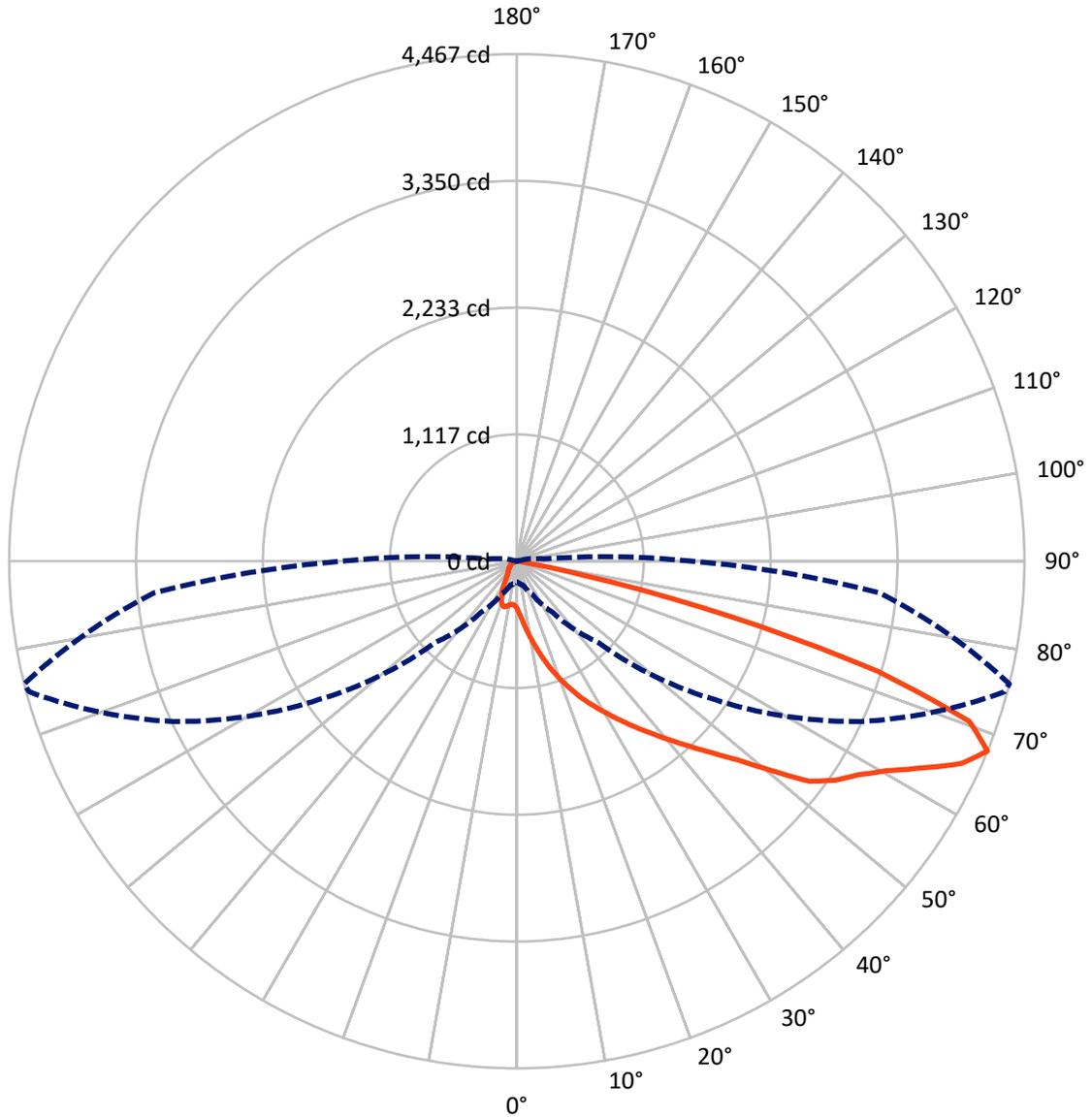
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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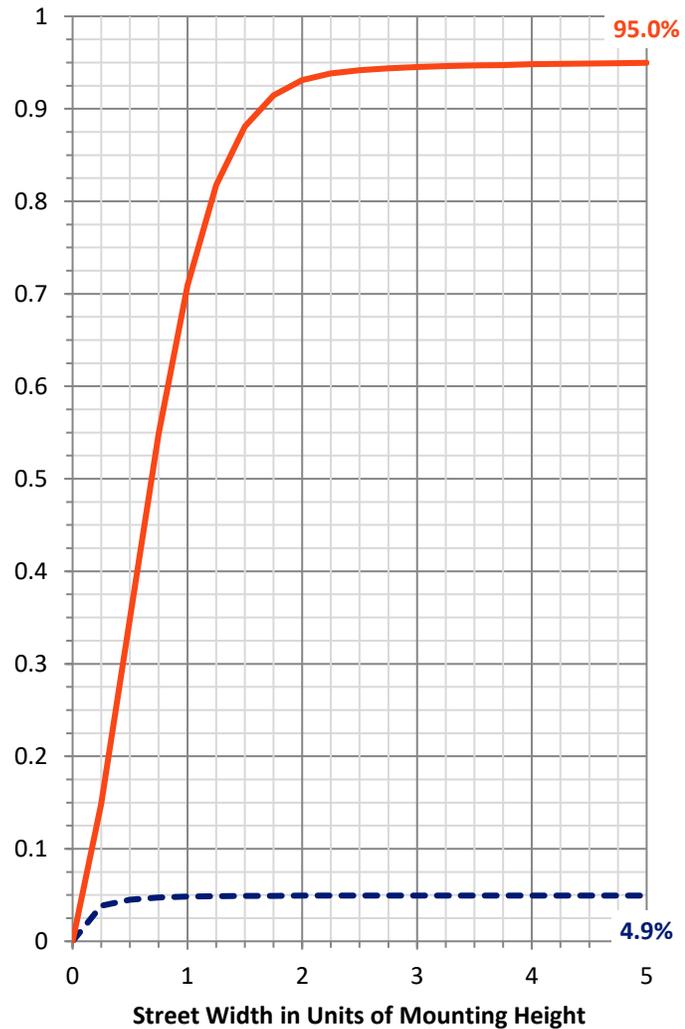
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	244.1	0.0	244.1
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	4671.9	0.0	4671.9
	% Fixture	95.0	0.0	95.0
Total	Lumens	4916.0	0.0	4916.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	1.1
10°-20°	205.6	4.2
20°-30°	418.3	8.5
30°-40°	726.0	14.8
40°-50°	1025.7	20.9
50°-60°	1163.2	23.7
60°-70°	964.7	19.6
70°-80°	349.5	7.1
80°-90°	11.3	0.2
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°	4916.0	100.0
0°-180°	4916.0	100.0



--- HS — SS

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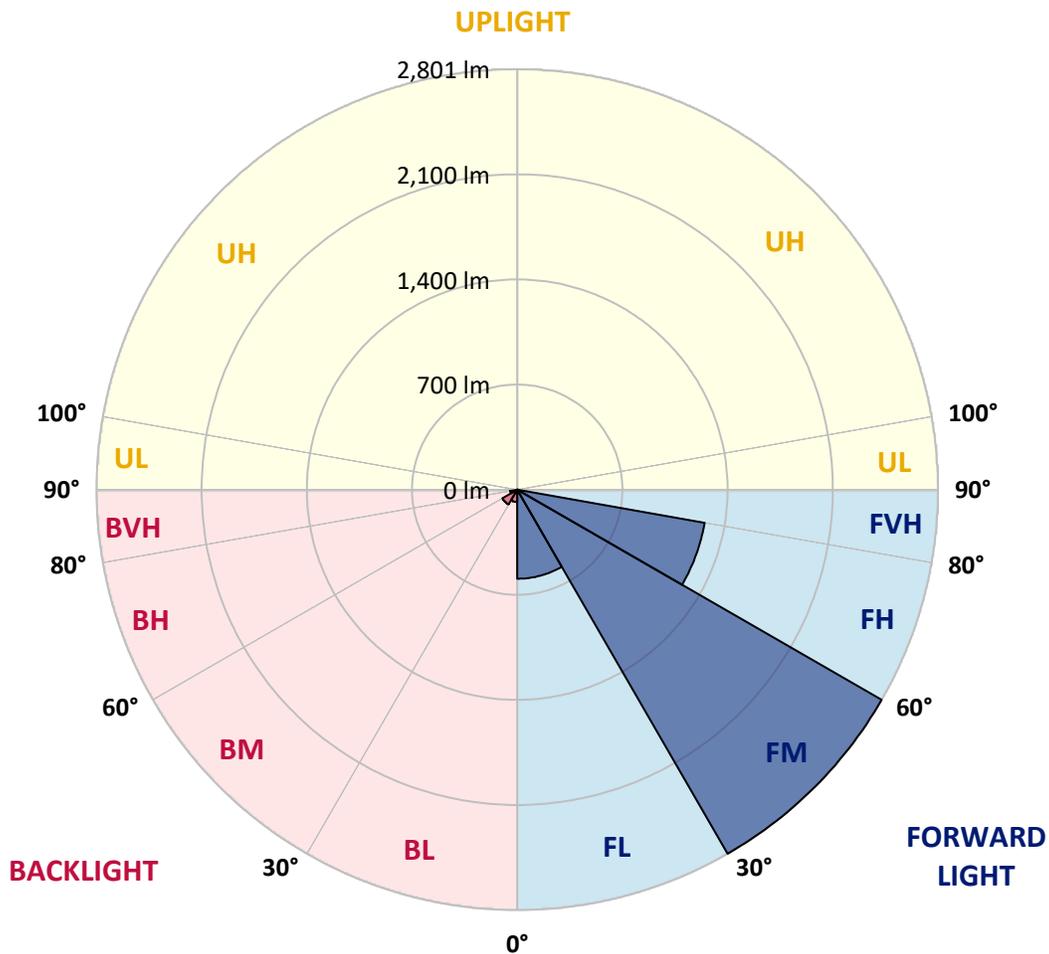
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	593.3	12.1			
FM	(30°-60°)	2800.5	57.0			
FH	(60°-80°)	1267.0	25.8			G1/1800
FVH	(80°-90°)	11.0	0.2			G1/100
BL	(0°-30°)	82.3	1.7	B0/110		
BM	(30°-60°)	114.2	2.3	B0/220		
BH	(60°-80°)	47.2	1.0	B0/110		G0/110
BVH	(80°-90°)	0.4	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	417.0	417.0	417.0	417.0	417.0	417.0	417.0	417.0	417.0	417.0	417.0
2.5°	622.5	608.5	611.7	602.7	586.3	552.7	524.1	496.9	465.3	464.2	438.1
5°	839.4	827.6	826.1	807.8	778.0	721.0	665.4	602.0	531.4	526.2	470.9
7.5°	1036.3	1026.8	1023.4	1001.6	946.3	890.7	818.3	725.3	614.8	605.3	515.0
10°	1187.5	1183.0	1183.9	1168.3	1121.0	1069.3	974.3	855.6	709.3	694.7	568.0
12.5°	1302.1	1303.2	1310.9	1301.5	1275.0	1236.6	1135.2	994.5	814.0	794.0	628.5
15°	1386.3	1391.7	1405.9	1417.8	1415.8	1382.7	1289.6	1135.6	925.2	903.0	696.0
17.5°	1440.8	1446.9	1467.5	1493.8	1517.9	1510.2	1438.7	1271.7	1037.6	1012.0	768.1
20°	1488.6	1495.8	1517.9	1552.6	1597.6	1607.3	1560.4	1403.8	1149.8	1118.6	842.7
22.5°	1592.3	1592.0	1605.6	1625.9	1668.7	1693.7	1664.0	1526.3	1260.8	1228.2	918.7
25°	1779.7	1772.5	1767.8	1751.9	1761.3	1776.9	1760.3	1640.9	1372.3	1339.4	995.8
27.5°	2002.4	2006.7	1968.3	1925.5	1892.3	1876.4	1849.2	1747.1	1479.6	1443.4	1071.2
30°	2237.4	2238.7	2193.4	2138.7	2065.7	2005.2	1958.2	1848.6	1589.9	1550.5	1144.4
32.5°	2449.3	2440.9	2396.1	2321.6	2229.4	2161.3	2063.8	1961.9	1706.6	1668.5	1225.9
35°	2617.4	2607.4	2553.0	2485.1	2389.5	2321.0	2203.6	2075.0	1829.4	1792.1	1307.5
37.5°	2740.1	2728.5	2672.5	2602.7	2520.2	2480.4	2365.8	2198.0	1963.4	1923.3	1393.4
40°	2782.8	2772.7	2737.5	2686.5	2620.2	2611.1	2537.9	2339.5	2109.2	2066.6	1490.8
42.5°	2757.4	2747.5	2735.0	2717.7	2690.2	2698.8	2700.3	2500.8	2271.2	2229.2	1598.3
45°	2656.6	2647.7	2660.7	2685.9	2720.1	2762.8	2848.5	2674.2	2452.1	2407.3	1722.6
47.5°	2508.1	2501.7	2537.4	2600.3	2700.5	2818.1	2984.0	2856.5	2655.3	2613.7	1877.7
50°	2297.1	2296.0	2367.5	2482.3	2636.3	2844.8	3124.0	3063.7	2937.4	2893.7	2093.3
52.5°	1968.3	1970.5	2111.2	2294.9	2523.7	2826.7	3214.0	3329.9	3265.7	3220.3	2280.0
55°	1655.4	1668.3	1768.0	2033.0	2350.9	2759.5	3245.0	3454.2	3446.9	3403.8	2383.9
57.5°	1348.9	1372.3	1468.4	1715.9	2098.7	2604.6	3228.0	3508.0	3581.7	3548.8	2520.9
60°	1016.7	1027.5	1138.2	1369.5	1774.9	2322.0	3104.6	3537.3	3766.1	3743.3	2719.7
62.5°	646.9	673.8	772.0	995.2	1382.0	1929.6	2896.5	3536.9	3996.8	4009.3	2976.2
65°	340.8	372.2	424.3	616.7	949.7	1491.2	2583.5	3503.7	4279.8	4297.3	3176.8
67.5°	183.7	192.8	220.4	320.1	550.8	1010.2	2123.7	3340.0	4443.8	4466.8	3204.8
70°	134.4	139.4	149.7	177.1	277.2	586.8	1549.6	2968.9	4232.4	4223.8	2847.4
72.5°	103.2	110.9	118.7	129.7	159.4	313.2	964.8	2324.8	3377.1	3320.2	2128.4
75°	81.4	82.7	93.7	103.6	119.5	178.4	428.4	1354.0	2061.2	1926.6	1103.7
77.5°	65.1	65.9	72.4	81.0	96.1	117.2	132.7	532.7	658.1	587.2	239.5
80°	38.6	40.7	53.9	62.5	79.7	73.9	48.5	115.7	102.7	93.1	40.3
82.5°	21.5	23.3	30.4	49.3	55.6	35.3	24.1	31.2	24.1	23.5	11.4
85°	0.0	1.1	19.6	30.6	22.6	7.8	10.1	10.3	7.1	6.7	4.5
87.5°	0.0	0.0	6.0	5.8	0.9	1.3	2.4	3.4	2.8	2.8	2.4
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°	417.0	417.0	417.0	417.0	417.0	417.0	417.0	417.0	417.0	417.0	417.0
2.5°	425.2	413.6	391.6	370.1	352.0	337.1	323.7	318.4	314.1	313.4	310.0
5°	444.2	420.7	378.7	344.2	321.2	304.8	290.8	282.2	275.5	272.9	270.5
7.5°	472.8	437.3	377.0	337.3	309.7	282.2	256.3	228.3	210.9	204.2	200.3
10°	507.7	459.2	383.4	335.4	287.1	229.0	186.1	150.6	136.1	131.4	130.1
12.5°	548.4	486.6	394.6	323.3	238.9	162.6	128.4	116.3	113.1	111.6	111.6
15°	595.2	516.5	402.6	288.4	176.6	123.0	111.1	105.5	102.1	100.2	100.4
17.5°	643.0	545.8	398.7	237.8	130.3	109.4	100.6	94.6	89.8	87.9	87.5
20°	691.2	573.0	377.2	177.1	110.3	99.3	89.4	82.7	78.0	76.0	75.6
22.5°	741.2	596.0	339.3	129.9	99.1	88.1	78.4	71.7	67.2	65.5	64.6
25°	789.9	614.8	286.3	105.1	88.5	77.5	68.3	62.0	57.9	56.2	56.0
27.5°	835.3	626.6	224.9	92.8	79.3	68.1	59.7	54.1	50.6	49.3	49.1
30°	876.3	627.7	166.3	83.8	71.1	59.9	52.1	47.2	44.2	42.9	42.4
32.5°	917.6	618.6	121.1	75.6	63.5	52.8	45.2	41.4	39.2	38.1	38.1
35°	956.6	597.7	94.3	68.5	56.2	45.9	39.8	37.0	35.8	34.7	34.7
37.5°	994.7	567.8	80.1	62.3	49.3	40.1	35.1	33.4	32.3	31.2	31.2
40°	1033.5	530.1	72.8	56.4	43.7	35.5	31.2	29.7	28.6	27.8	27.6
42.5°	1081.1	486.6	68.1	51.1	38.8	31.4	27.6	25.8	25.0	24.1	23.7
45°	1136.2	449.1	64.2	45.7	34.7	28.0	23.9	22.2	20.9	19.8	19.6
47.5°	1215.7	422.0	59.0	39.8	30.8	24.3	20.7	18.7	16.8	15.7	15.5
50°	1317.2	399.6	52.3	34.7	26.9	20.7	17.2	14.9	13.1	12.1	12.1
52.5°	1367.6	370.3	46.3	30.2	22.6	17.4	14.0	11.2	10.3	9.3	9.3
55°	1387.8	347.9	40.3	25.6	18.7	14.4	11.0	8.6	8.0	7.3	7.1
57.5°	1444.7	341.4	35.1	21.8	15.5	11.4	8.4	6.5	6.0	5.2	5.2
60°	1536.3	344.6	30.4	18.5	12.5	8.8	6.2	5.0	4.5	3.7	3.7
62.5°	1635.1	340.6	25.6	15.9	9.7	6.5	4.3	3.7	3.7	2.2	1.9
65°	1654.1	303.3	22.0	13.1	7.5	4.7	2.8	2.4	3.2	0.4	0.0
67.5°	1535.2	235.2	19.0	10.1	5.6	3.7	2.2	1.1	2.8	0.0	0.0
70°	1227.6	149.5	15.3	7.3	4.3	3.0	1.7	0.4	2.2	0.0	0.0
72.5°	868.1	86.8	12.1	5.2	3.7	2.4	1.3	0.0	1.3	0.0	0.0
75°	439.0	46.3	7.5	3.9	2.8	1.7	0.9	0.0	0.2	0.0	0.0
77.5°	95.0	21.5	4.7	2.8	1.9	1.1	0.4	0.0	0.0	0.0	0.0
80°	20.7	9.5	3.0	1.7	1.1	0.6	0.0	0.0	0.0	0.0	0.0
82.5°	7.5	5.0	1.5	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.1	2.6	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	0.9	0.2	0.2	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)