

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: P1208338

Luminaire Tested: UPW-SA1-060-740-U-SL2-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208338  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-060-740-U-SL2-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5301 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

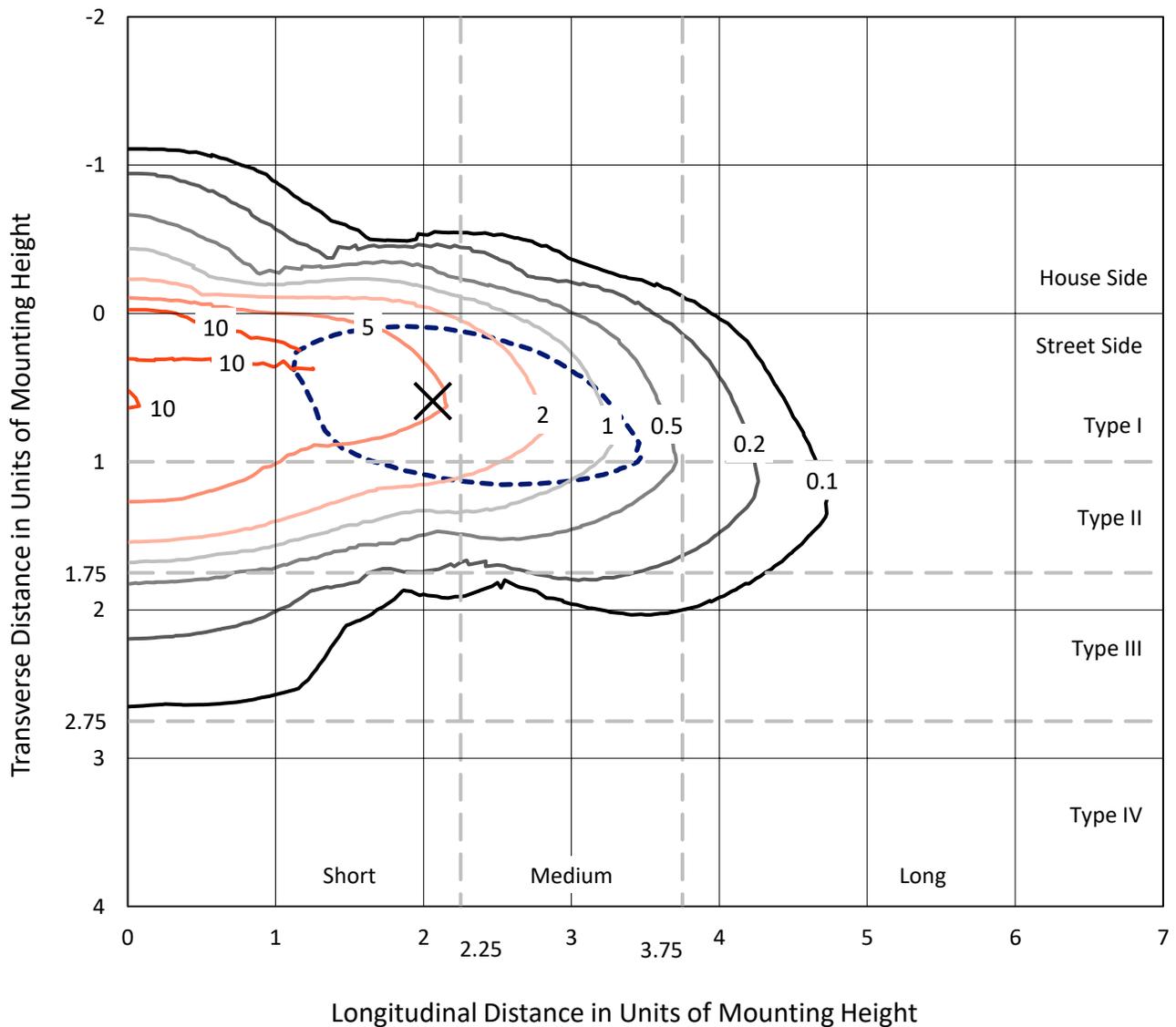
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

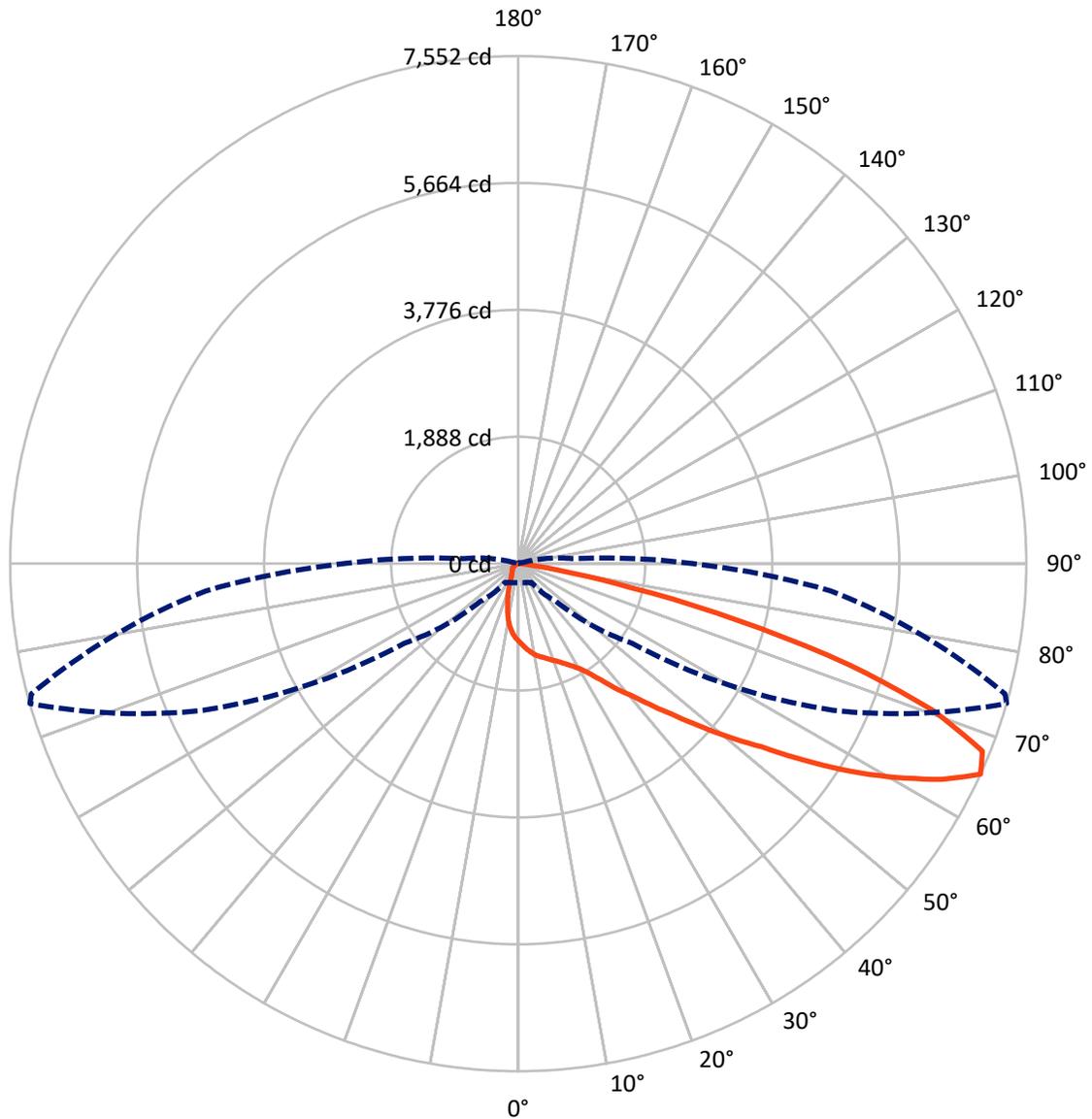
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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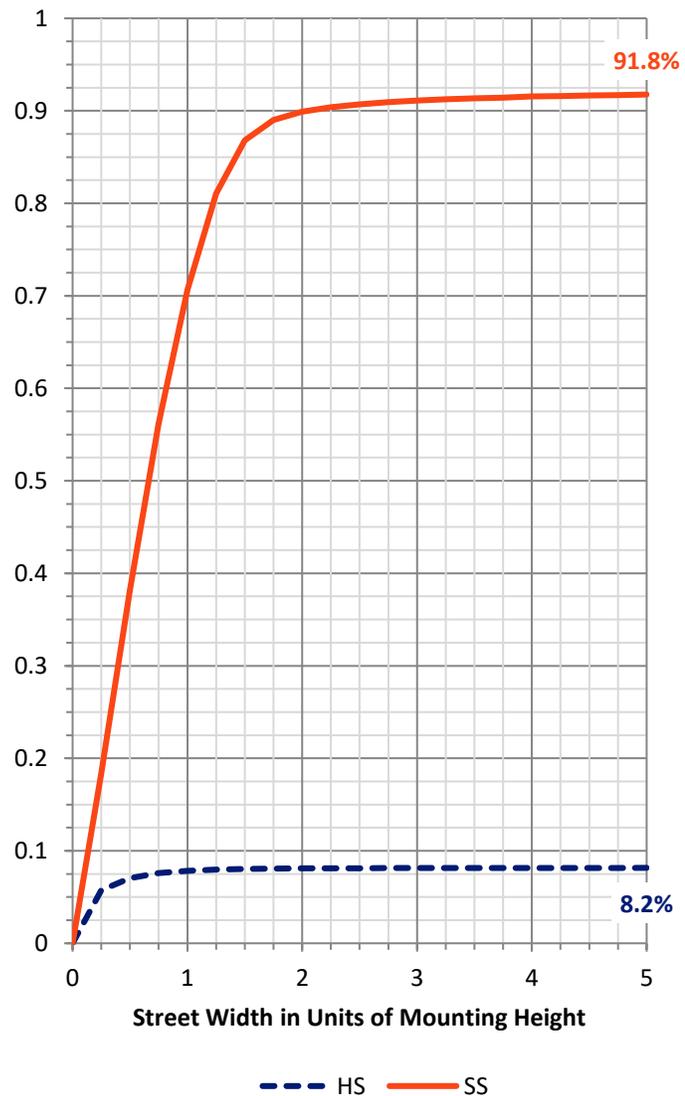
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	435.8	0.0	435.8
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	4865.2	0.0	4865.2
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	5301.0	0.0	5301.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.6	1.9
10°-20°	241.6	4.6
20°-30°	376.7	7.1
30°-40°	594.5	11.2
40°-50°	924.8	17.4
50°-60°	1336.8	25.2
60°-70°	1208.3	22.8
70°-80°	485.7	9.2
80°-90°	34.1	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°	5301.0	100.0
0°-180°	5301.0	100.0



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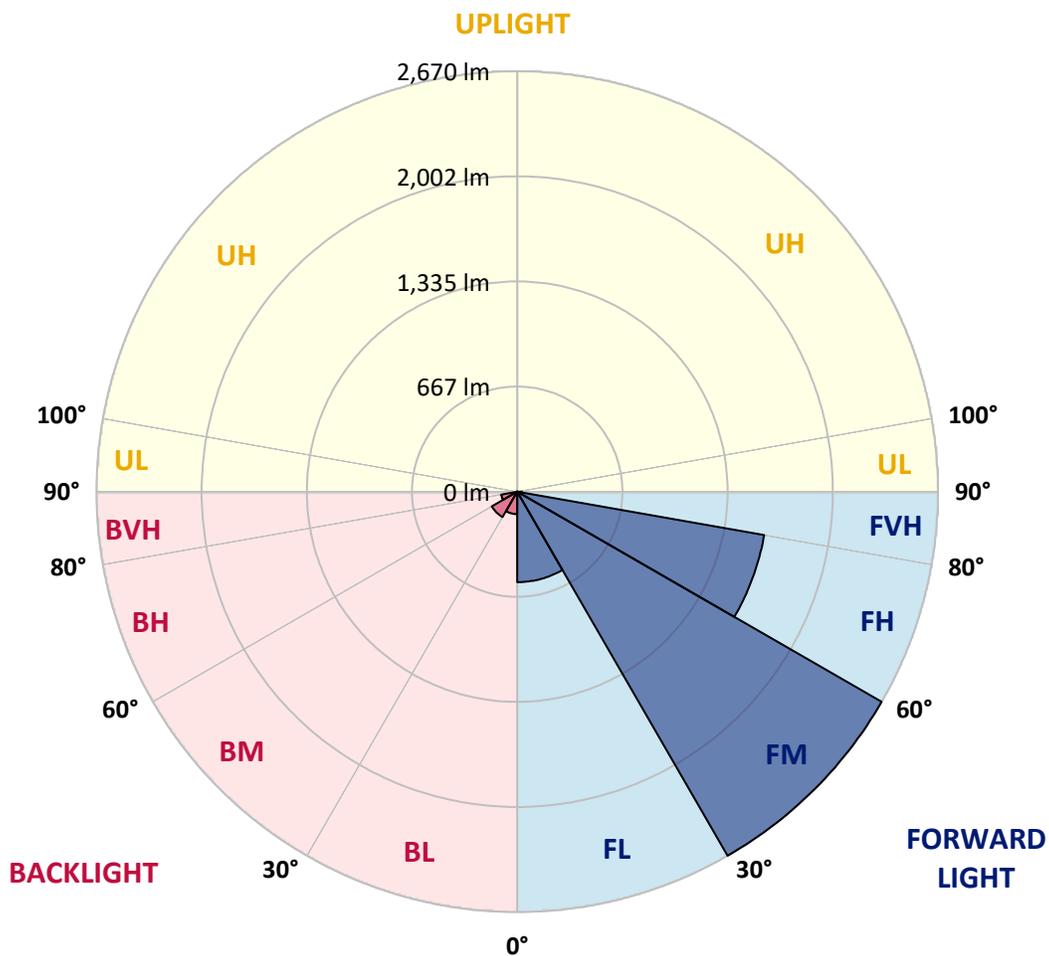
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	574.3	10.8			
FM	(30°-60°)	2669.7	50.4			
FH	(60°-80°)	1591.0	30.0			G1/1800
FVH	(80°-90°)	30.3	0.6			G1/100
BL	(0°-30°)	142.5	2.7	B1/500		
BM	(30°-60°)	186.5	3.5	B0/220		
BH	(60°-80°)	103.0	1.9	B0/110		G0/110
BVH	(80°-90°)	3.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0
2.5°	1303.3	1298.4	1300.9	1290.3	1288.7	1278.2	1254.7	1231.1	1209.3	1203.6	1176.8
5°	1398.1	1395.7	1393.2	1391.6	1384.3	1376.2	1343.0	1311.4	1270.9	1263.6	1207.6
7.5°	1423.2	1420.8	1425.7	1433.8	1438.6	1434.6	1410.3	1379.5	1328.4	1320.3	1239.3
10°	1367.3	1364.9	1386.8	1418.4	1447.6	1468.6	1459.7	1432.2	1378.7	1370.6	1261.1
12.5°	1244.1	1240.9	1276.5	1341.4	1410.3	1470.2	1488.1	1469.4	1419.2	1410.3	1279.0
15°	1131.5	1126.6	1162.3	1227.9	1314.6	1430.5	1498.6	1504.3	1452.4	1446.7	1298.4
17.5°	1071.5	1072.3	1094.2	1148.5	1232.0	1358.4	1487.3	1536.7	1497.0	1489.7	1319.5
20°	1095.8	1097.4	1099.8	1120.9	1171.2	1295.2	1462.1	1571.6	1540.8	1532.7	1346.2
22.5°	1166.3	1170.4	1163.9	1152.5	1159.0	1249.0	1436.2	1609.7	1591.0	1582.9	1364.9
25°	1297.6	1292.7	1272.5	1227.1	1194.7	1235.2	1427.3	1653.4	1654.2	1644.5	1387.6
27.5°	1454.0	1441.1	1416.8	1344.6	1265.2	1257.9	1424.9	1700.4	1728.0	1714.2	1413.5
30°	1587.0	1580.5	1550.5	1484.0	1364.9	1310.6	1431.3	1745.8	1815.5	1808.2	1447.6
32.5°	1672.9	1671.3	1649.4	1604.8	1500.2	1395.7	1459.7	1807.4	1947.6	1923.3	1512.4
35°	1745.0	1737.7	1720.7	1691.5	1628.3	1511.6	1519.7	1906.3	2125.9	2118.6	1616.1
37.5°	1826.9	1818.0	1797.7	1761.2	1717.4	1648.6	1615.3	2034.4	2352.9	2349.6	1753.1
40°	1921.7	1916.0	1895.8	1847.1	1792.8	1751.5	1715.0	2166.5	2572.5	2549.8	1879.5
42.5°	2014.9	2016.5	2001.1	1950.9	1877.1	1821.2	1833.4	2301.0	2858.6	2847.3	2076.5
45°	2121.1	2115.4	2107.3	2070.8	1991.4	1876.3	1946.8	2487.4	3190.9	3219.3	2362.6
47.5°	2195.6	2194.0	2210.2	2182.7	2117.0	1964.7	2063.5	2718.4	3599.4	3626.2	2677.1
50°	2215.1	2212.7	2267.0	2289.7	2287.2	2135.7	2224.0	3011.0	4048.4	4044.4	3028.8
52.5°	2090.3	2096.0	2201.3	2322.1	2434.7	2399.1	2513.4	3413.8	4528.3	4542.0	3359.5
55°	1732.0	1767.7	1884.4	2164.0	2460.7	2667.4	2886.2	3968.2	5161.3	5124.8	3619.7
57.5°	1086.1	1067.4	1264.4	1669.6	2141.3	2687.6	3187.7	4525.0	5837.2	5791.0	4002.2
60°	553.6	529.3	644.3	931.3	1486.5	2258.9	3194.2	5010.5	6460.5	6408.6	4388.9
62.5°	338.8	334.7	358.2	454.7	770.0	1523.7	2767.9	5303.9	7070.0	7028.7	4650.6
65°	285.3	284.5	293.4	308.8	341.2	791.0	2065.2	5160.5	7552.2	7492.3	4666.0
67.5°	252.9	252.9	271.5	278.8	226.9	340.4	1266.8	4563.9	7439.6	7428.2	4341.0
70°	218.0	214.8	240.7	262.6	188.8	175.1	652.5	3666.7	6535.9	6573.2	3697.5
72.5°	164.5	167.8	194.5	223.7	154.8	123.2	298.3	2566.0	5146.7	5164.5	2905.6
75°	124.0	127.2	150.8	183.2	124.8	93.2	164.5	1667.2	3370.9	3411.4	1697.2
77.5°	94.8	95.6	119.1	151.6	96.4	71.3	111.0	926.4	1708.5	1672.1	659.7
80°	65.7	68.1	93.2	117.5	77.0	53.5	74.6	401.2	616.8	569.0	205.1
82.5°	24.3	31.6	65.7	85.1	54.3	38.1	55.1	161.3	180.7	169.4	75.4
85°	4.1	4.1	35.7	62.4	29.2	22.7	34.9	55.9	59.2	62.4	38.9
87.5°	0.0	0.0	4.1	13.8	4.9	3.2	9.7	13.8	28.4	31.6	21.1
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°	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0	1155.0
2.5°	1159.0	1142.0	1108.0	1078.8	1033.4	993.7	968.5	949.1	934.5	917.5	900.5
5°	1172.0	1132.3	1048.8	954.8	858.3	771.6	700.3	635.4	593.3	588.4	568.2
7.5°	1183.3	1120.1	979.1	812.1	664.6	539.0	450.6	396.3	349.3	334.7	341.2
10°	1183.3	1099.0	886.7	657.3	479.8	351.8	286.9	251.3	238.3	232.6	227.8
12.5°	1180.1	1065.0	770.8	512.2	333.9	256.1	226.9	214.0	206.7	203.4	201.8
15°	1175.2	1023.7	656.5	382.6	255.3	219.6	205.1	195.3	188.8	185.6	183.2
17.5°	1172.0	980.7	552.8	290.2	220.5	200.2	188.0	178.3	172.6	167.8	167.0
20°	1162.3	930.5	452.3	238.3	200.2	183.2	170.2	161.3	155.6	149.9	149.9
22.5°	1146.9	859.1	357.4	207.5	183.2	166.2	152.4	143.5	137.8	134.5	132.9
25°	1127.4	788.6	283.7	189.7	167.0	148.3	136.2	127.2	122.4	120.8	119.1
27.5°	1105.5	718.1	233.4	175.1	151.6	133.7	120.0	113.5	110.2	108.6	107.0
30°	1087.7	654.1	202.6	162.9	137.0	119.1	107.0	101.3	98.9	98.1	96.4
32.5°	1089.3	599.8	181.6	149.1	125.6	107.8	95.6	90.0	90.0	89.2	89.2
35°	1119.3	565.7	167.0	137.0	113.5	96.4	85.9	81.0	82.7	82.7	81.9
37.5°	1151.7	531.7	153.2	124.0	102.9	85.9	75.4	72.9	73.8	74.6	74.6
40°	1193.9	506.6	141.8	111.8	92.4	77.0	68.1	65.7	65.7	65.7	64.8
42.5°	1289.5	504.1	132.1	101.3	82.7	68.1	61.6	58.4	56.7	55.9	54.3
45°	1424.0	522.0	125.6	91.6	72.9	61.6	55.9	51.9	47.0	44.6	43.8
47.5°	1597.5	568.2	120.0	82.7	64.0	55.9	50.3	44.6	38.1	34.9	34.0
50°	1813.9	640.3	114.3	75.4	57.5	50.3	43.8	36.5	30.0	26.7	26.7
52.5°	2016.5	725.4	108.6	68.9	51.1	46.2	37.3	29.2	23.5	21.1	20.3
55°	2198.9	821.0	102.1	61.6	46.2	40.5	30.8	22.7	17.0	14.6	13.8
57.5°	2418.5	941.8	94.0	54.3	41.3	34.9	24.3	16.2	11.3	8.1	7.3
60°	2658.4	1002.6	83.5	47.8	35.7	29.2	18.6	11.3	6.5	3.2	3.2
62.5°	2736.2	972.6	70.5	41.3	30.8	23.5	13.8	7.3	2.4	0.0	0.0
65°	2594.4	833.2	60.0	36.5	26.7	17.8	9.7	4.1	0.0	0.0	0.0
67.5°	2267.8	648.4	49.4	31.6	22.7	14.6	6.5	0.8	0.0	0.0	0.0
70°	1872.3	480.6	41.3	25.9	19.5	11.3	4.1	0.0	0.0	0.0	0.0
72.5°	1445.1	341.2	35.7	21.9	16.2	8.9	2.4	0.0	0.0	0.0	0.0
75°	816.2	183.2	32.4	21.9	14.6	7.3	1.6	0.0	0.0	0.0	0.0
77.5°	337.2	84.3	28.4	21.9	14.6	8.1	2.4	0.0	0.0	0.0	0.0
80°	105.4	43.0	24.3	22.7	15.4	8.9	2.4	0.0	0.0	0.0	0.0
82.5°	49.4	33.2	25.1	21.1	13.8	8.1	2.4	0.0	0.0	0.0	0.0
85°	25.9	17.0	17.8	17.8	12.2	7.3	2.4	0.0	0.0	0.0	0.0
87.5°	7.3	0.8	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)