

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: P1208301

Luminaire Tested: UPW-SA1-060-730-U-T3R-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208301  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-060-730-U-T3R-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WI'  
HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5291 lumens  
Efficiency: N/A  
Efficacy: 89.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

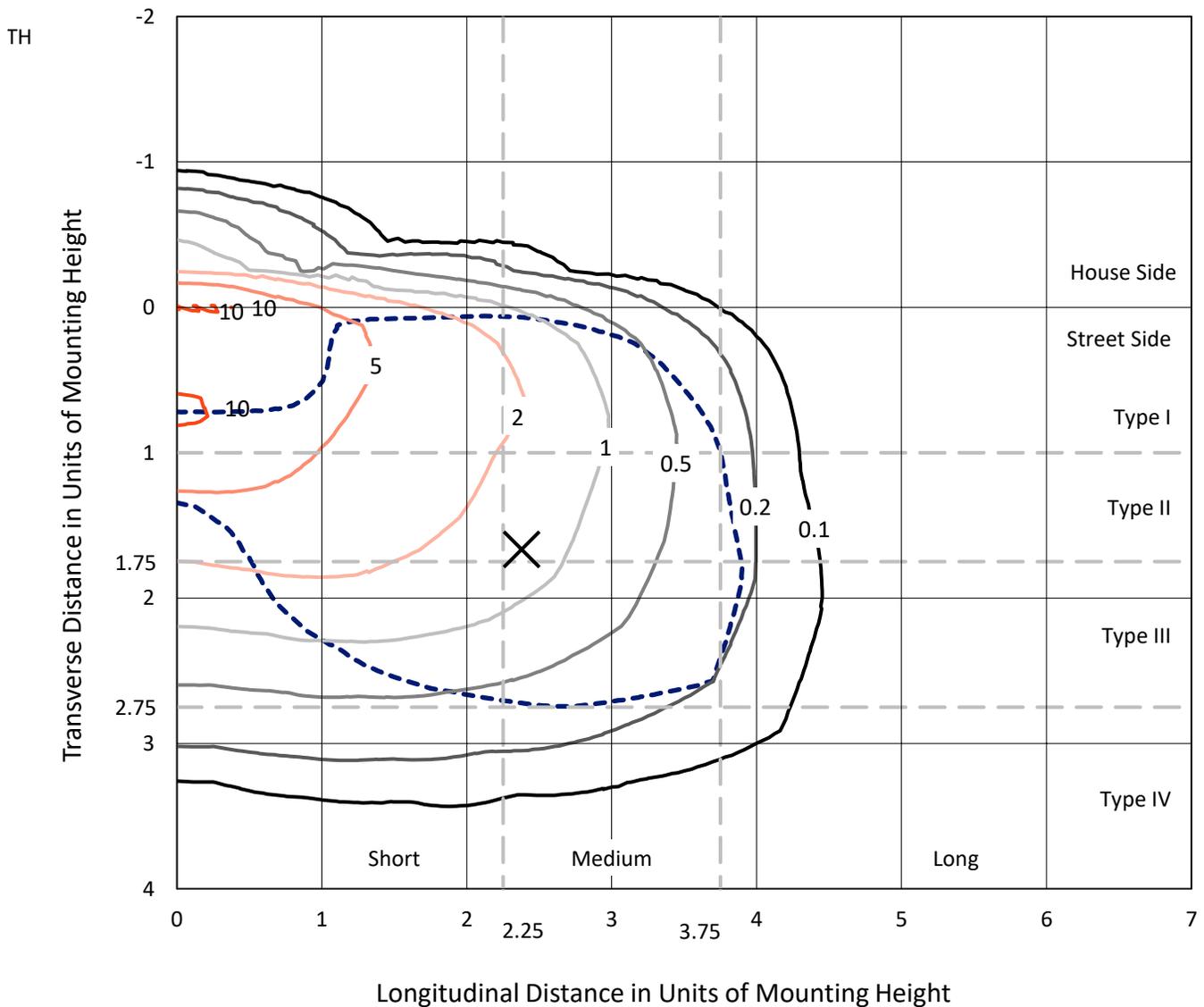
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

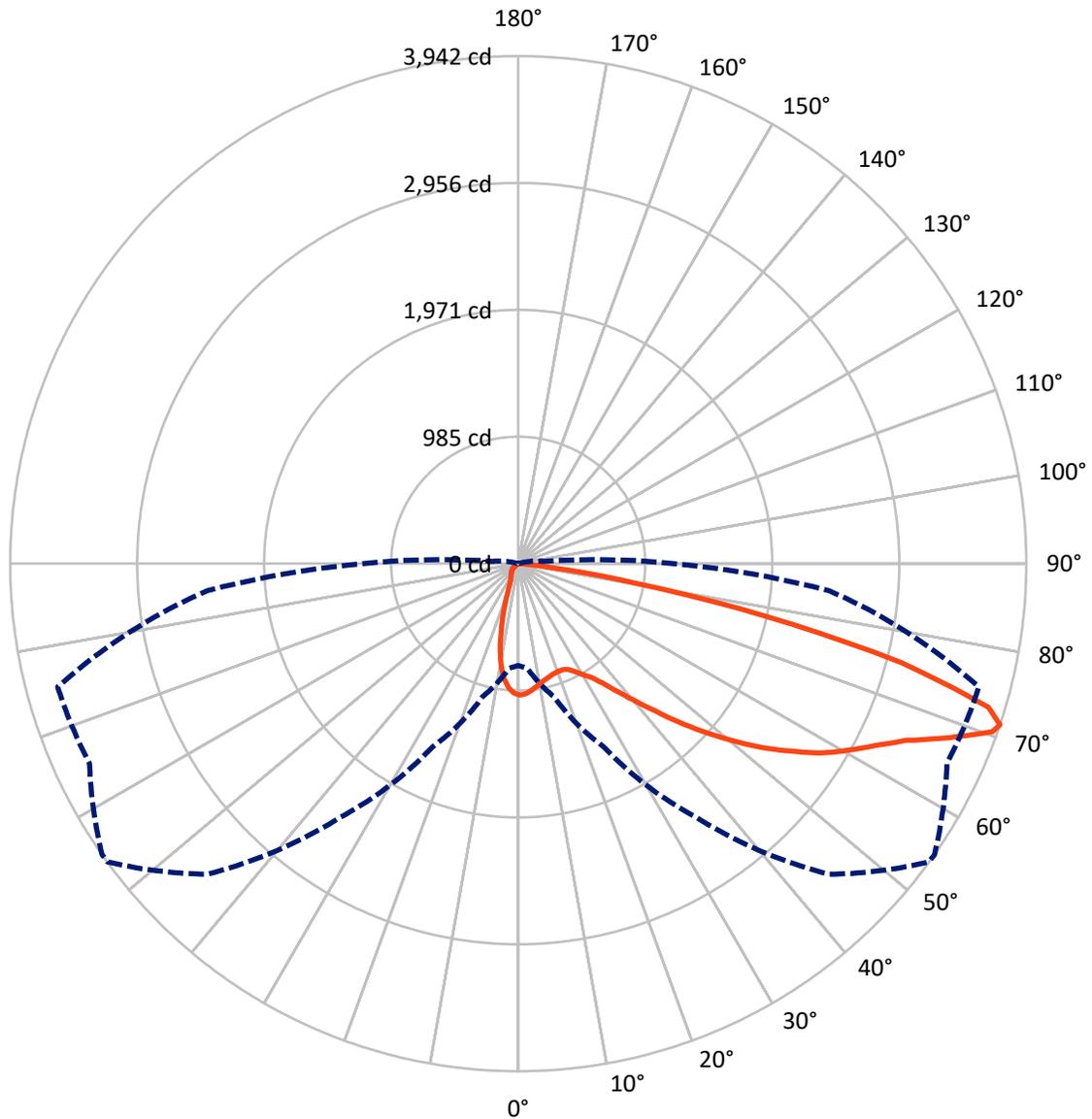


Based on 10 foot mounting height. Maximum calculated value = 10.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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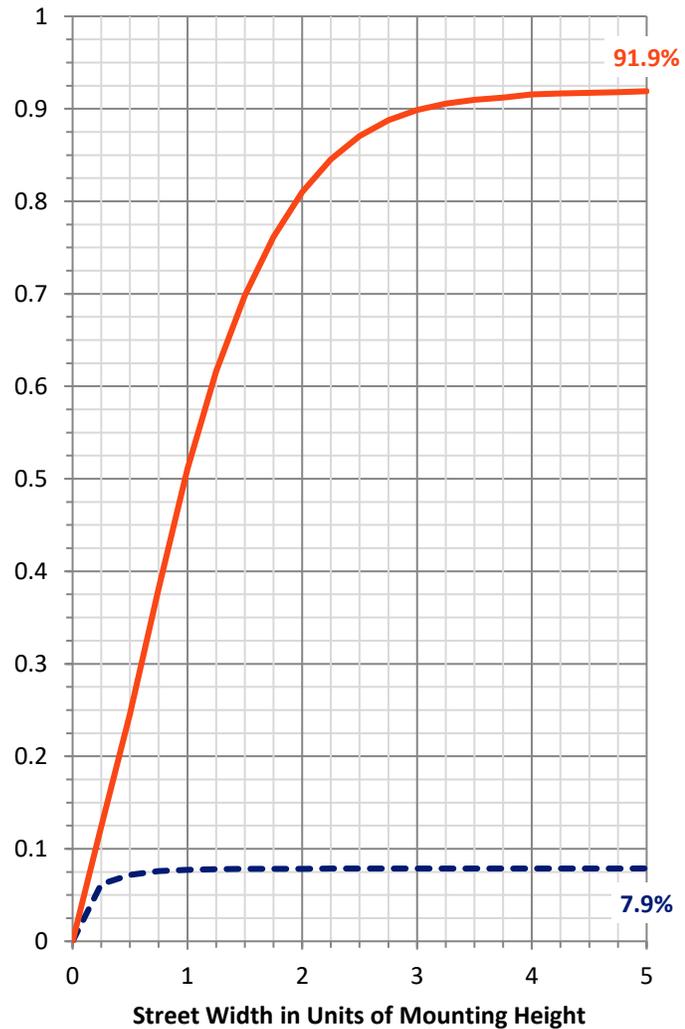
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	418.9	0.0	418.9
	% Fixture	7.9	0.0	7.9
<b>Street Side</b>	Lumens	4872.1	0.0	4872.1
	% Fixture	92.1	0.0	92.1
<b>Total</b>	Lumens	5291.0	0.0	5291.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.0	1.6
10°-20°	196.4	3.7
20°-30°	315.6	6.0
30°-40°	536.3	10.1
40°-50°	832.4	15.7
50°-60°	1119.1	21.2
60°-70°	1369.1	25.9
70°-80°	800.5	15.1
80°-90°	34.6	0.7
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°	5291.0	100.0
0°-180°	5291.0	100.0



--- HS    — SS

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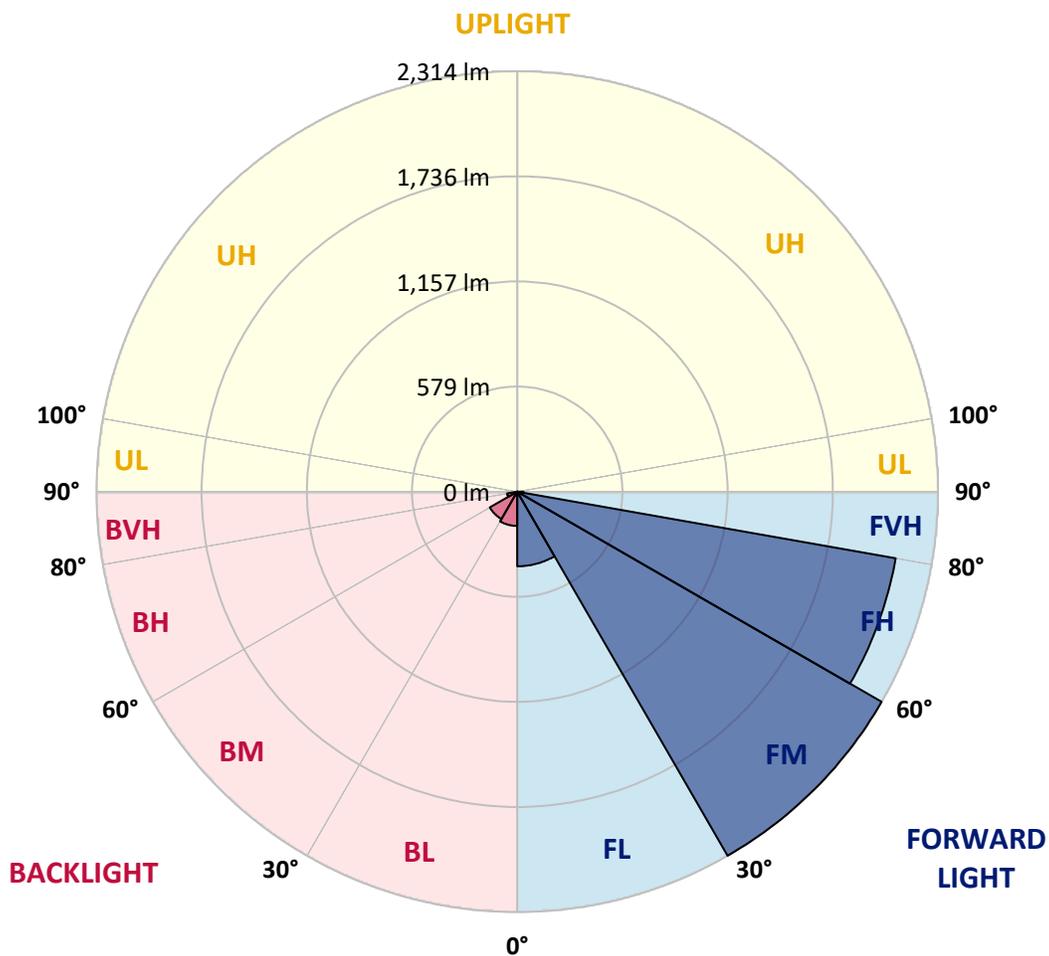
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	410.5	7.8			
FM	(30°-60°)	2314.1	43.7			
FH	(60°-80°)	2113.4	39.9			G2/5000
FVH	(80°-90°)	34.1	0.6			G1/100
BL	(0°-30°)	188.6	3.6	B1/500		
BM	(30°-60°)	173.7	3.3	B0/220		
BH	(60°-80°)	56.1	1.1	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1020.4	1020.4	1020.4	1020.4	1020.4	1020.4	1020.4	1020.4	1020.4	1020.4	1020.4
2.5°	990.5	991.6	995.9	997.8	1002.3	1009.9	1013.7	1014.0	1020.2	1022.5	1024.4
5°	920.4	927.5	934.6	942.2	956.0	974.3	992.4	994.0	1014.0	1028.7	1036.5
7.5°	860.0	866.4	875.0	887.1	906.6	935.3	965.5	969.1	1006.8	1040.3	1057.9
10°	798.0	803.2	815.6	833.4	860.3	898.7	939.4	945.3	1000.4	1056.0	1086.9
12.5°	731.7	734.8	749.8	775.4	814.9	863.8	917.3	925.1	996.4	1074.1	1121.1
15°	681.4	682.8	697.0	723.7	768.8	832.5	900.2	909.7	997.3	1095.7	1158.4
17.5°	668.5	669.3	676.9	695.1	735.1	804.4	886.6	898.3	1000.2	1116.8	1196.0
20°	720.6	715.6	707.7	704.9	722.0	787.6	878.6	891.6	1004.0	1135.6	1229.7
22.5°	863.4	848.6	816.1	772.6	746.2	788.8	880.7	893.8	1016.1	1158.7	1268.7
25°	1075.3	1054.8	999.5	914.0	831.8	823.0	898.5	911.8	1039.6	1186.2	1306.0
27.5°	1316.4	1296.2	1228.5	1106.4	966.2	890.7	939.4	951.7	1074.6	1210.7	1334.5
30°	1547.3	1541.6	1461.8	1323.1	1135.4	1000.4	992.1	1002.6	1100.5	1225.4	1357.0
32.5°	1743.1	1734.1	1669.9	1535.0	1329.0	1132.3	1054.1	1057.2	1119.9	1244.4	1386.5
35°	1924.6	1913.4	1857.1	1729.6	1527.6	1293.4	1149.6	1145.1	1162.5	1282.7	1429.3
37.5°	2083.1	2093.3	2030.8	1909.4	1705.8	1460.9	1278.4	1264.9	1229.0	1344.9	1491.3
40°	2215.6	2215.6	2183.1	2081.9	1898.2	1634.0	1424.0	1406.2	1329.0	1440.9	1569.9
42.5°	2263.4	2273.6	2285.7	2228.5	2070.5	1814.1	1586.3	1567.8	1469.9	1577.0	1669.2
45°	2266.2	2282.4	2344.4	2344.2	2226.1	1993.0	1769.2	1760.4	1650.4	1751.9	1792.3
47.5°	2226.1	2246.3	2348.4	2406.4	2349.4	2159.6	1969.3	1958.3	1862.6	1966.2	1921.0
50°	2164.1	2186.4	2305.2	2430.9	2433.3	2304.5	2180.0	2163.6	2096.1	2211.1	2054.1
52.5°	2053.1	2096.4	2266.5	2436.6	2488.4	2429.7	2380.5	2373.4	2357.5	2447.0	2160.0
55°	1815.8	1863.8	2169.3	2438.5	2539.4	2540.6	2568.4	2570.3	2602.4	2667.5	2238.9
57.5°	1703.7	1730.7	1999.7	2447.5	2615.2	2666.6	2759.9	2774.6	2824.3	2876.8	2329.0
60°	1633.1	1665.2	1916.0	2435.2	2734.3	2831.7	2937.4	2942.4	2995.6	3092.8	2450.8
62.5°	1576.8	1608.4	1863.3	2387.6	2868.0	3030.3	3110.8	3111.3	3151.2	3350.1	2589.3
65°	1437.8	1464.4	1756.6	2334.2	2956.4	3226.8	3312.3	3309.2	3341.7	3621.4	2750.2
67.5°	1236.8	1257.3	1538.8	2131.5	2923.1	3405.4	3616.4	3606.2	3566.7	3855.9	2813.4
70°	956.2	963.6	1212.8	1776.4	2611.4	3474.1	3910.3	3905.0	3704.8	3813.8	2581.7
71°	790.4	814.6	1068.9	1567.8	2402.6	3410.6	3938.8	3941.9	3670.1	3699.3	2422.3
72.5°	459.0	479.7	774.7	1204.0	2039.8	3146.0	3791.0	3813.3	3508.0	3364.8	2069.0
75°	98.4	105.2	287.2	582.8	1122.1	2204.9	2992.3	3071.9	2859.2	2289.0	1247.0
77.5°	68.4	73.9	123.1	264.4	370.9	1089.5	1858.8	1948.6	1708.2	860.3	399.1
80°	54.2	60.3	96.0	130.7	100.3	351.4	870.7	925.6	569.7	192.0	67.2
82.5°	30.2	35.9	74.8	70.6	38.5	66.8	243.8	275.6	114.0	38.7	15.9
85°	8.8	10.7	48.2	51.3	16.4	12.8	41.6	51.6	21.6	10.2	7.1
87.5°	0.0	0.0	23.3	19.7	4.8	1.9	3.8	4.3	4.3	4.3	4.8
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°	1020.4	1020.4	1020.4	1020.4	1020.4	1020.4	1020.4	1020.4	1020.4	1020.4	1020.4
2.5°	1024.4	1026.1	1020.2	1012.3	1004.0	993.8	983.1	974.8	974.5	970.5	966.5
5°	1037.0	1036.1	1019.7	994.7	965.3	934.6	905.4	872.4	861.5	847.9	843.4
7.5°	1060.3	1053.6	1019.0	964.3	899.7	835.6	769.3	702.5	674.0	648.3	643.8
10°	1089.5	1076.9	1014.4	918.7	800.2	681.8	581.8	491.1	451.2	420.5	419.1
12.5°	1119.9	1100.7	1001.9	849.8	669.7	503.4	388.2	298.9	265.6	244.2	246.1
15°	1151.8	1123.0	974.8	756.9	521.2	341.6	238.5	186.0	172.7	167.3	168.7
17.5°	1184.3	1138.5	937.0	645.0	374.7	220.5	165.1	150.4	150.4	151.6	152.0
20°	1212.6	1146.8	881.4	519.6	254.0	160.6	144.4	142.3	143.5	145.4	145.6
22.5°	1240.6	1147.3	808.9	392.5	177.7	140.6	137.6	136.6	137.3	139.5	139.7
25°	1263.4	1141.6	718.2	279.2	141.8	132.6	131.1	130.7	131.1	133.8	133.8
27.5°	1272.7	1120.9	607.5	196.2	127.1	123.5	123.1	123.5	124.3	126.2	126.4
30°	1273.6	1084.8	486.8	142.1	115.2	111.4	112.4	114.0	113.3	112.8	113.3
32.5°	1276.0	1043.0	369.2	116.9	105.2	99.3	98.1	98.1	95.3	93.6	92.7
35°	1283.9	993.8	267.7	105.0	95.0	88.1	83.6	78.4	72.9	70.1	69.4
37.5°	1296.2	942.2	191.7	97.2	86.0	78.2	69.6	60.3	52.5	50.4	50.4
40°	1318.8	889.0	141.8	91.0	78.9	69.1	56.3	44.2	37.1	35.9	35.9
42.5°	1354.4	832.9	113.1	85.5	72.7	59.9	43.0	32.1	26.8	26.1	25.9
45°	1391.5	771.2	98.8	80.3	66.0	49.2	31.8	23.8	20.7	20.0	20.0
47.5°	1428.5	705.4	91.9	75.3	59.6	38.2	23.8	18.8	17.3	17.3	17.6
50°	1459.9	636.7	87.0	69.8	51.3	29.0	18.8	15.9	15.4	16.4	16.6
52.5°	1467.7	569.2	80.8	63.0	41.1	22.1	15.4	14.0	14.0	14.0	14.0
55°	1463.0	517.0	72.7	54.4	30.4	17.6	13.3	12.4	12.1	12.1	12.1
57.5°	1479.1	486.1	58.2	42.3	21.9	14.3	11.6	10.9	10.5	10.2	10.2
60°	1511.7	465.9	41.6	30.4	16.4	11.9	10.0	9.3	8.6	8.1	8.1
62.5°	1554.9	448.3	30.9	22.6	12.6	9.5	8.3	7.6	6.7	6.2	6.2
65°	1588.2	416.9	23.5	16.9	9.5	7.6	6.4	6.2	4.8	4.3	4.0
67.5°	1537.4	348.0	19.0	12.4	7.1	5.9	5.0	4.8	2.9	2.4	2.4
70°	1318.5	242.3	15.2	9.0	5.2	4.8	4.0	3.1	2.1	1.9	1.9
71°	1195.7	202.4	13.8	7.6	4.5	4.5	3.8	2.6	1.9	1.7	1.7
72.5°	993.3	143.7	11.6	5.9	4.0	4.8	4.0	2.4	1.9	1.7	1.4
75°	576.6	60.1	8.1	4.0	3.1	5.7	5.2	2.1	1.4	1.2	1.2
77.5°	173.4	22.1	4.5	2.6	2.4	5.0	5.9	1.9	0.7	0.2	0.2
80°	31.6	9.5	2.9	1.7	1.7	3.1	4.5	1.0	0.0	0.0	0.0
82.5°	11.2	4.8	1.7	1.0	0.7	1.4	2.1	0.0	0.0	0.0	0.0
85°	6.4	3.3	1.0	0.5	0.0	0.2	0.5	0.0	0.0	0.0	0.0
87.5°	4.3	1.0	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)