

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: P1208058

Luminaire Tested: UPW-SA1-040-730-U-T3R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208058
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-SA1-040-730-U-T3R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4274 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

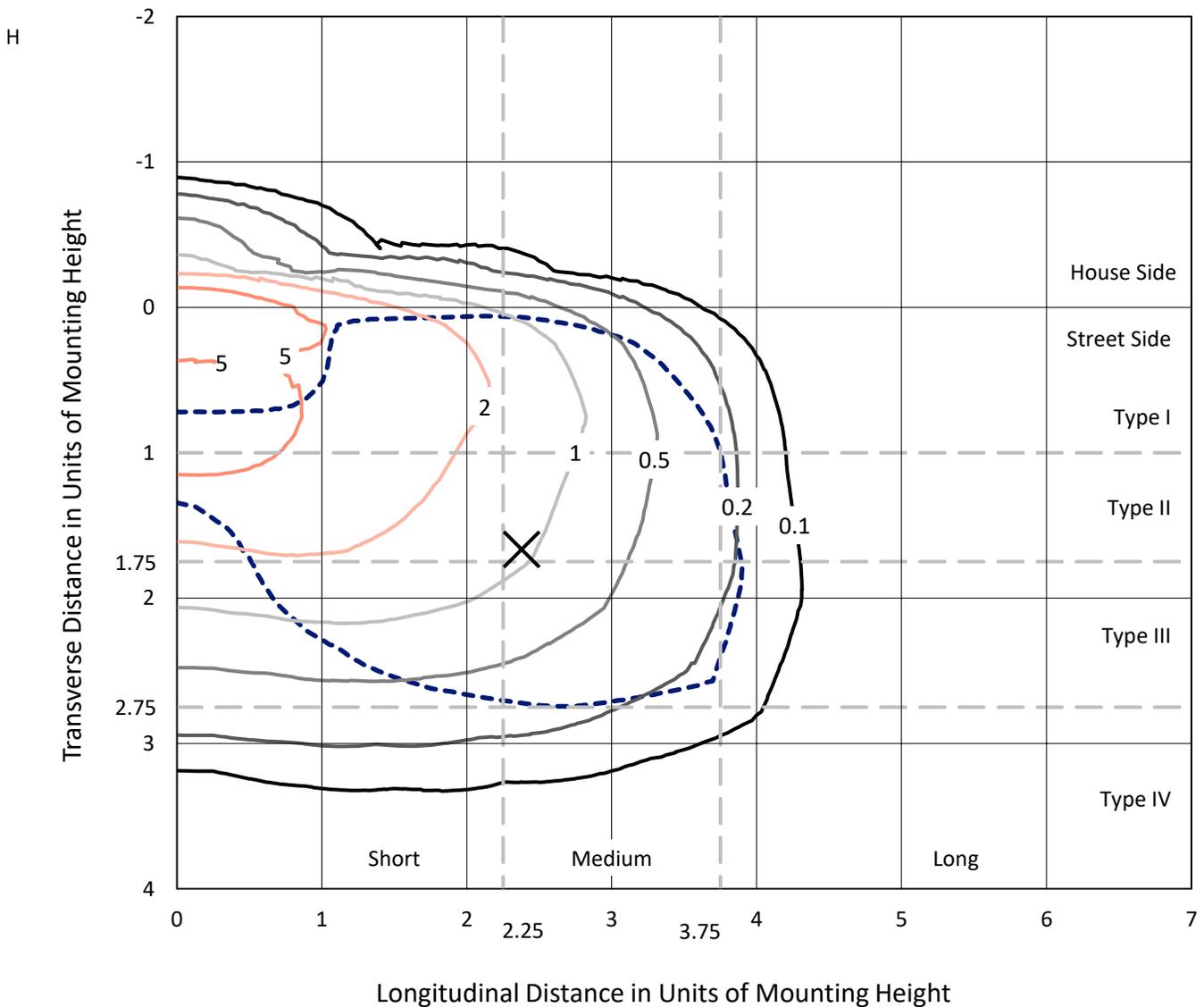
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

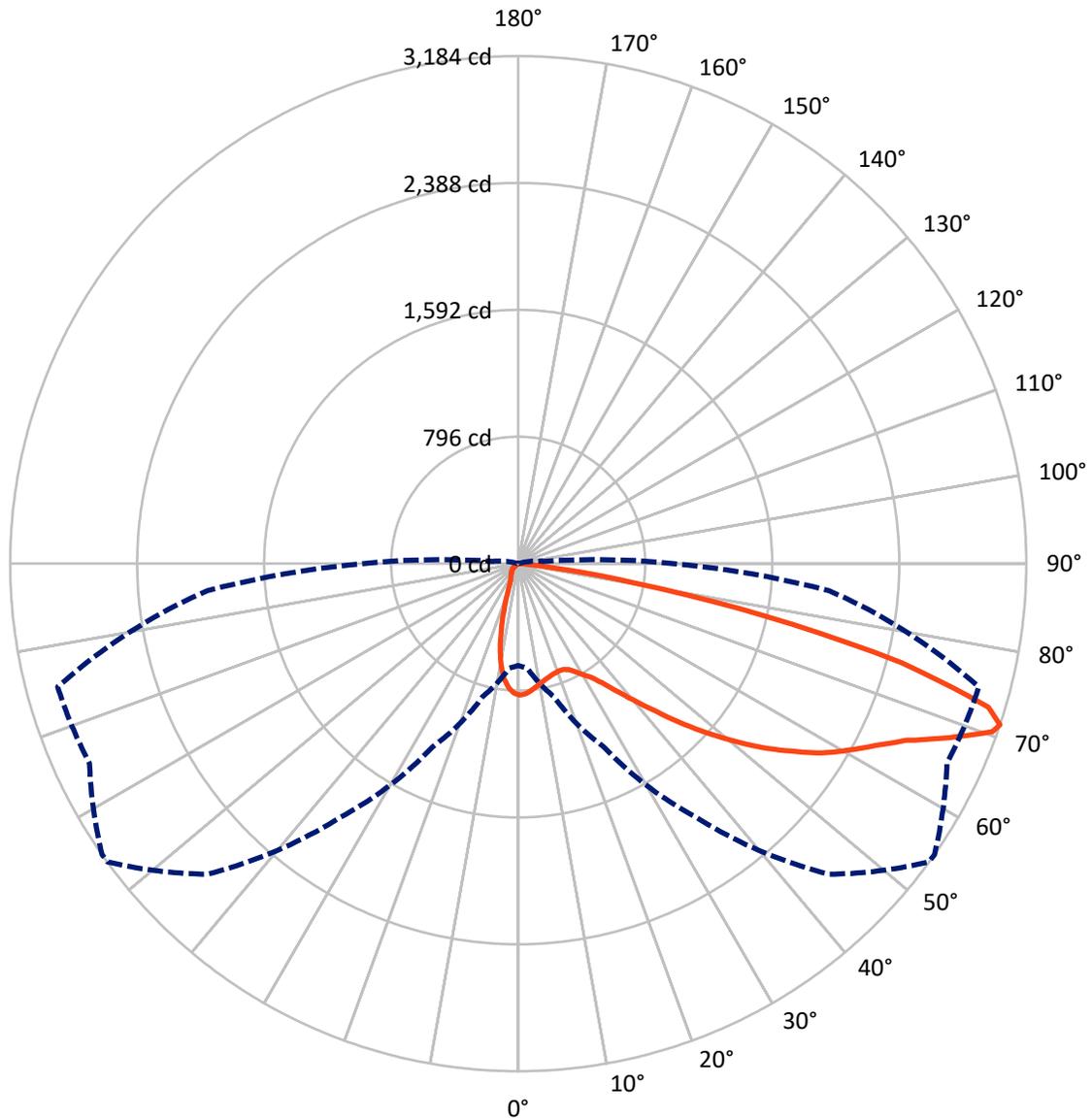


Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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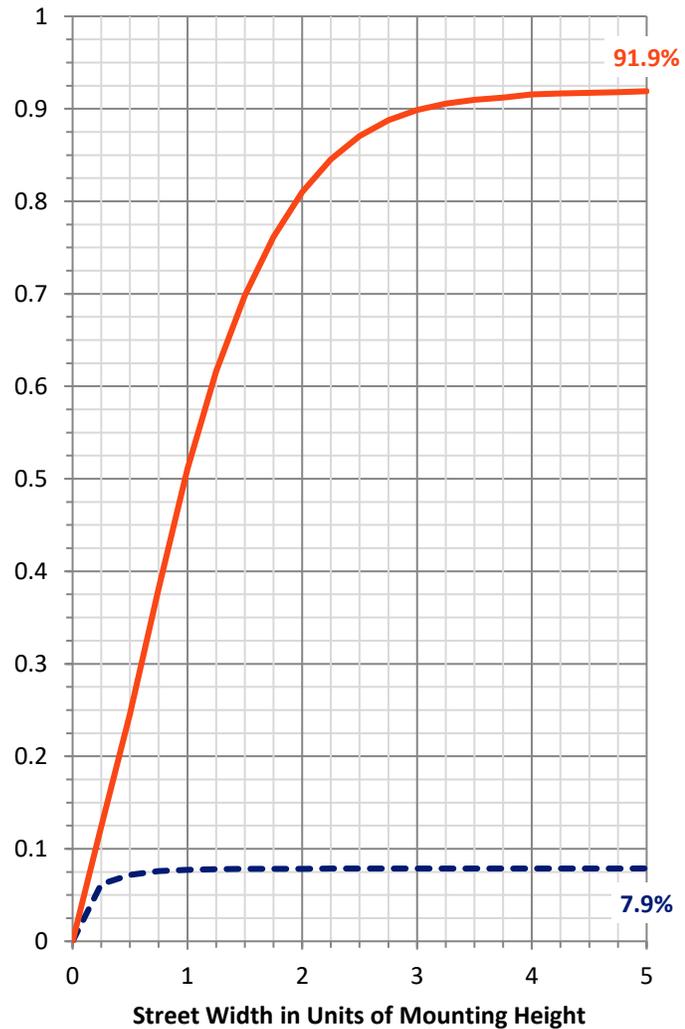
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	338.4	0.0	338.4
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	3935.6	0.0	3935.6
	% Fixture	92.1	0.0	92.1
Total	Lumens	4274.0	0.0	4274.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	1.6
10°-20°	158.7	3.7
20°-30°	255.0	6.0
30°-40°	433.2	10.1
40°-50°	672.4	15.7
50°-60°	904.0	21.2
60°-70°	1105.9	25.9
70°-80°	646.6	15.1
80°-90°	28.0	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°	4274.0	100.0
0°-180°	4274.0	100.0



--- HS — SS

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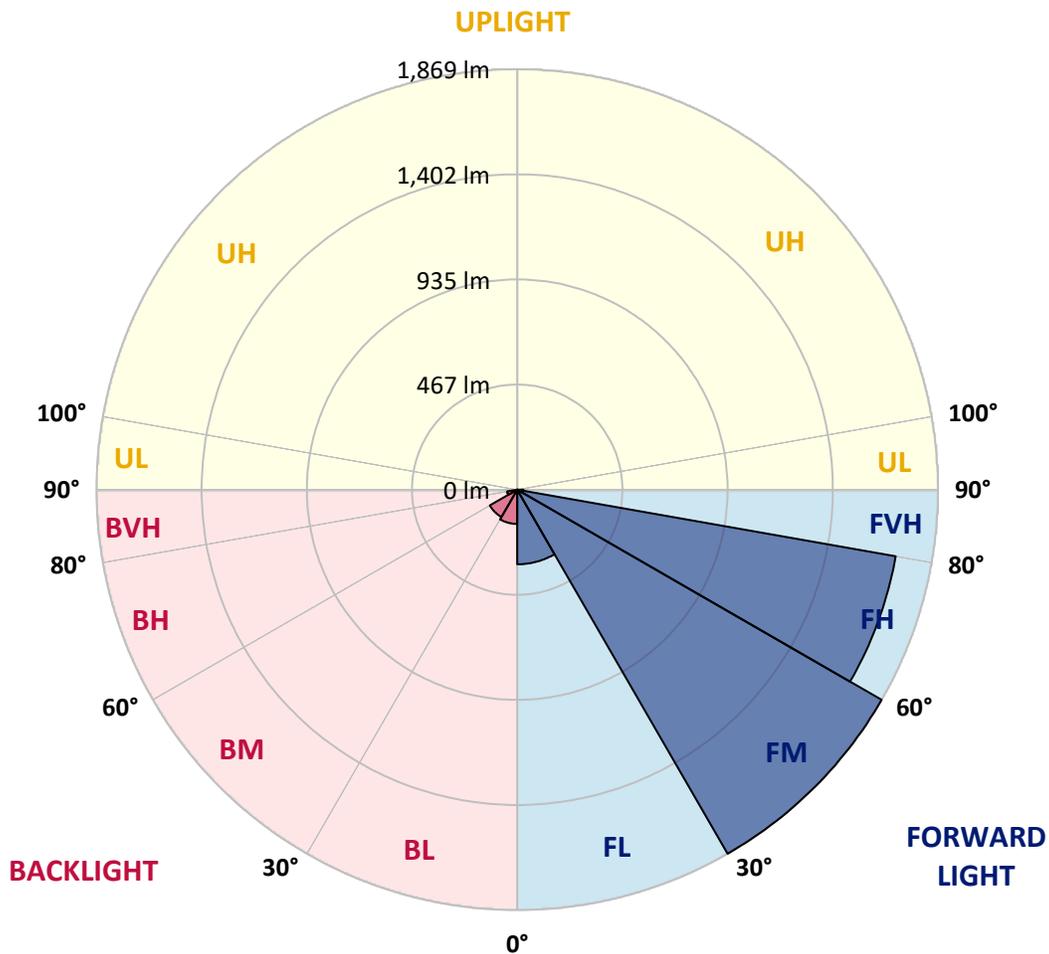
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	331.6	7.8			
FM	(30°-60°)	1869.3	43.7			
FH	(60°-80°)	1707.2	39.9			G1/1800
FVH	(80°-90°)	27.5	0.6			G1/100
BL	(0°-30°)	152.3	3.6	B1/500		
BM	(30°-60°)	140.3	3.3	B0/220		
BH	(60°-80°)	45.3	1.1	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: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3
2.5°	800.1	801.0	804.5	806.0	809.7	815.8	818.9	819.1	824.1	826.0	827.5
5°	743.5	749.2	755.0	761.1	772.2	787.0	801.6	803.0	819.1	831.0	837.3
7.5°	694.7	699.9	706.8	716.6	732.3	755.6	779.9	782.8	813.3	840.4	854.6
10°	644.6	648.8	658.8	673.2	694.9	726.0	758.8	763.6	808.1	853.0	878.0
12.5°	591.1	593.6	605.7	626.4	658.3	697.8	741.0	747.3	804.9	867.6	905.6
15°	550.4	551.6	563.1	584.6	621.0	672.5	727.1	734.8	805.6	885.1	935.8
17.5°	540.0	540.6	546.8	561.5	593.8	649.8	716.2	725.6	807.9	902.2	966.1
20°	582.1	578.0	571.7	569.4	583.2	636.2	709.7	720.2	811.0	917.3	993.3
22.5°	697.4	685.5	659.2	624.1	602.8	637.1	711.4	722.0	820.8	935.9	1024.8
25°	868.6	852.1	807.4	738.3	671.9	664.8	725.8	736.6	839.8	958.2	1054.9
27.5°	1063.4	1047.1	992.4	893.7	780.5	719.5	758.8	768.8	868.0	978.0	1078.0
30°	1249.9	1245.3	1180.8	1068.8	917.1	808.1	801.4	809.9	888.9	989.9	1096.2
32.5°	1408.0	1400.8	1348.9	1239.9	1073.5	914.6	851.5	854.0	904.7	1005.2	1120.0
35°	1554.7	1545.6	1500.2	1397.1	1234.0	1044.8	928.7	925.0	939.0	1036.1	1154.5
37.5°	1682.7	1690.9	1640.5	1542.4	1377.9	1180.1	1032.7	1021.7	992.8	1086.4	1204.6
40°	1789.8	1789.8	1763.5	1681.7	1533.4	1320.0	1150.3	1135.9	1073.5	1163.9	1268.1
42.5°	1828.3	1836.6	1846.4	1800.1	1672.5	1465.4	1281.4	1266.4	1187.4	1273.9	1348.4
45°	1830.6	1843.7	1893.8	1893.6	1798.2	1609.9	1429.2	1422.1	1333.2	1415.1	1447.8
47.5°	1798.2	1814.5	1897.0	1943.9	1897.8	1744.5	1590.7	1581.9	1504.6	1588.3	1551.8
50°	1748.1	1766.2	1862.1	1963.6	1965.5	1861.5	1761.0	1747.7	1693.2	1786.1	1659.3
52.5°	1658.5	1693.4	1830.8	1968.2	2010.1	1962.7	1922.9	1917.2	1904.3	1976.7	1744.9
55°	1466.8	1505.5	1752.3	1969.8	2051.3	2052.3	2074.7	2076.3	2102.2	2154.8	1808.6
57.5°	1376.2	1398.1	1615.3	1977.1	2112.6	2154.0	2229.4	2241.3	2281.4	2323.8	1881.3
60°	1319.2	1345.1	1547.8	1967.1	2208.7	2287.4	2372.8	2376.8	2419.8	2498.3	1979.8
62.5°	1273.7	1299.2	1505.2	1928.7	2316.7	2447.8	2512.9	2513.3	2545.5	2706.1	2091.6
65°	1161.4	1182.9	1419.0	1885.5	2388.1	2606.5	2675.6	2673.1	2699.4	2925.3	2221.6
67.5°	999.1	1015.6	1243.0	1721.8	2361.3	2750.8	2921.3	2913.0	2881.2	3114.7	2272.6
70°	772.4	778.4	979.7	1434.9	2109.5	2806.3	3158.7	3154.4	2992.7	3080.7	2085.5
71°	638.5	658.1	863.4	1266.4	1940.8	2755.1	3181.7	3184.2	2964.6	2988.2	1956.7
72.5°	370.8	387.5	625.8	972.6	1647.7	2541.3	3062.3	3080.4	2833.8	2718.0	1671.3
75°	79.5	85.0	232.0	470.8	906.4	1781.1	2417.1	2481.4	2309.6	1849.1	1007.3
77.5°	55.3	59.7	99.4	213.6	299.6	880.1	1501.5	1574.1	1379.8	694.9	322.4
80°	43.8	48.7	77.5	105.6	81.0	283.8	703.4	747.7	460.2	155.1	54.3
82.5°	24.4	29.0	60.5	57.0	31.1	53.9	196.9	222.6	92.1	31.3	12.9
85°	7.1	8.6	39.0	41.5	13.2	10.4	33.6	41.6	17.5	8.3	5.8
87.5°	0.0	0.0	18.8	15.9	3.8	1.5	3.1	3.5	3.5	3.5	3.8
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°	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3	824.3
2.5°	827.5	828.9	824.1	817.7	811.0	802.8	794.1	787.4	787.2	784.0	780.7
5°	837.7	836.9	823.7	803.5	779.7	755.0	731.4	704.7	695.9	684.9	681.3
7.5°	856.5	851.1	823.1	779.0	726.8	674.9	621.4	567.5	544.5	523.7	520.1
10°	880.1	869.9	819.5	742.1	646.4	550.8	470.0	396.7	364.4	339.7	338.5
12.5°	904.7	889.1	809.3	686.5	541.0	406.7	313.6	241.4	214.6	197.3	198.8
15°	930.4	907.2	787.4	611.4	421.1	276.0	192.7	150.3	139.5	135.1	136.3
17.5°	956.7	919.6	756.9	521.0	302.6	178.1	133.4	121.5	121.5	122.4	122.8
20°	979.5	926.4	712.0	419.7	205.2	129.7	116.7	115.0	115.9	117.4	117.6
22.5°	1002.2	926.7	653.5	317.0	143.5	113.6	111.1	110.3	110.9	112.7	112.8
25°	1020.6	922.1	580.1	225.5	114.6	107.1	105.9	105.6	105.9	108.0	108.0
27.5°	1028.1	905.4	490.7	158.5	102.7	99.8	99.4	99.8	100.4	101.9	102.1
30°	1028.8	876.3	393.2	114.8	93.1	90.0	90.8	92.1	91.5	91.2	91.5
32.5°	1030.8	842.5	298.2	94.4	85.0	80.2	79.3	79.3	77.0	75.6	74.8
35°	1037.1	802.8	216.3	84.8	76.8	71.2	67.6	63.3	58.9	56.6	56.0
37.5°	1047.1	761.1	154.9	78.5	69.5	63.1	56.2	48.7	42.4	40.7	40.7
40°	1065.3	718.1	114.6	73.5	63.7	55.8	45.5	35.7	29.9	29.0	29.0
42.5°	1094.1	672.8	91.3	69.1	58.7	48.4	34.7	25.9	21.7	21.1	20.9
45°	1124.0	622.9	79.8	64.9	53.4	39.7	25.7	19.2	16.7	16.1	16.1
47.5°	1154.0	569.8	74.3	60.8	48.2	30.9	19.2	15.2	14.0	14.0	14.2
50°	1179.3	514.3	70.2	56.4	41.5	23.4	15.2	12.9	12.5	13.2	13.4
52.5°	1185.6	459.8	65.2	50.9	33.2	17.8	12.5	11.3	11.3	11.3	11.3
55°	1181.8	417.6	58.7	43.9	24.6	14.2	10.7	10.0	9.8	9.8	9.8
57.5°	1194.8	392.6	47.0	34.2	17.7	11.5	9.4	8.8	8.4	8.3	8.3
60°	1221.1	376.3	33.6	24.6	13.2	9.6	8.1	7.5	6.9	6.5	6.5
62.5°	1256.1	362.1	24.9	18.2	10.2	7.7	6.7	6.1	5.4	5.0	5.0
65°	1282.9	336.8	19.0	13.6	7.7	6.1	5.2	5.0	3.8	3.5	3.3
67.5°	1241.9	281.1	15.4	10.0	5.8	4.8	4.0	3.8	2.3	1.9	1.9
70°	1065.1	195.7	12.3	7.3	4.2	3.8	3.3	2.5	1.7	1.5	1.5
71°	965.9	163.5	11.1	6.1	3.6	3.6	3.1	2.1	1.5	1.3	1.3
72.5°	802.4	116.1	9.4	4.8	3.3	3.8	3.3	1.9	1.5	1.3	1.2
75°	465.8	48.6	6.5	3.3	2.5	4.6	4.2	1.7	1.2	1.0	1.0
77.5°	140.1	17.8	3.6	2.1	1.9	4.0	4.8	1.5	0.6	0.2	0.2
80°	25.5	7.7	2.3	1.3	1.3	2.5	3.6	0.8	0.0	0.0	0.0
82.5°	9.0	3.8	1.3	0.8	0.6	1.2	1.7	0.0	0.0	0.0	0.0
85°	5.2	2.7	0.8	0.4	0.0	0.2	0.4	0.0	0.0	0.0	0.0
87.5°	3.5	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)