

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: P1208193

Luminaire Tested: UPW-SA1-040-827-U-T3R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-827-U-T3R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 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: 3451 lumens
Efficiency: N/A
Efficacy: 78.4 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

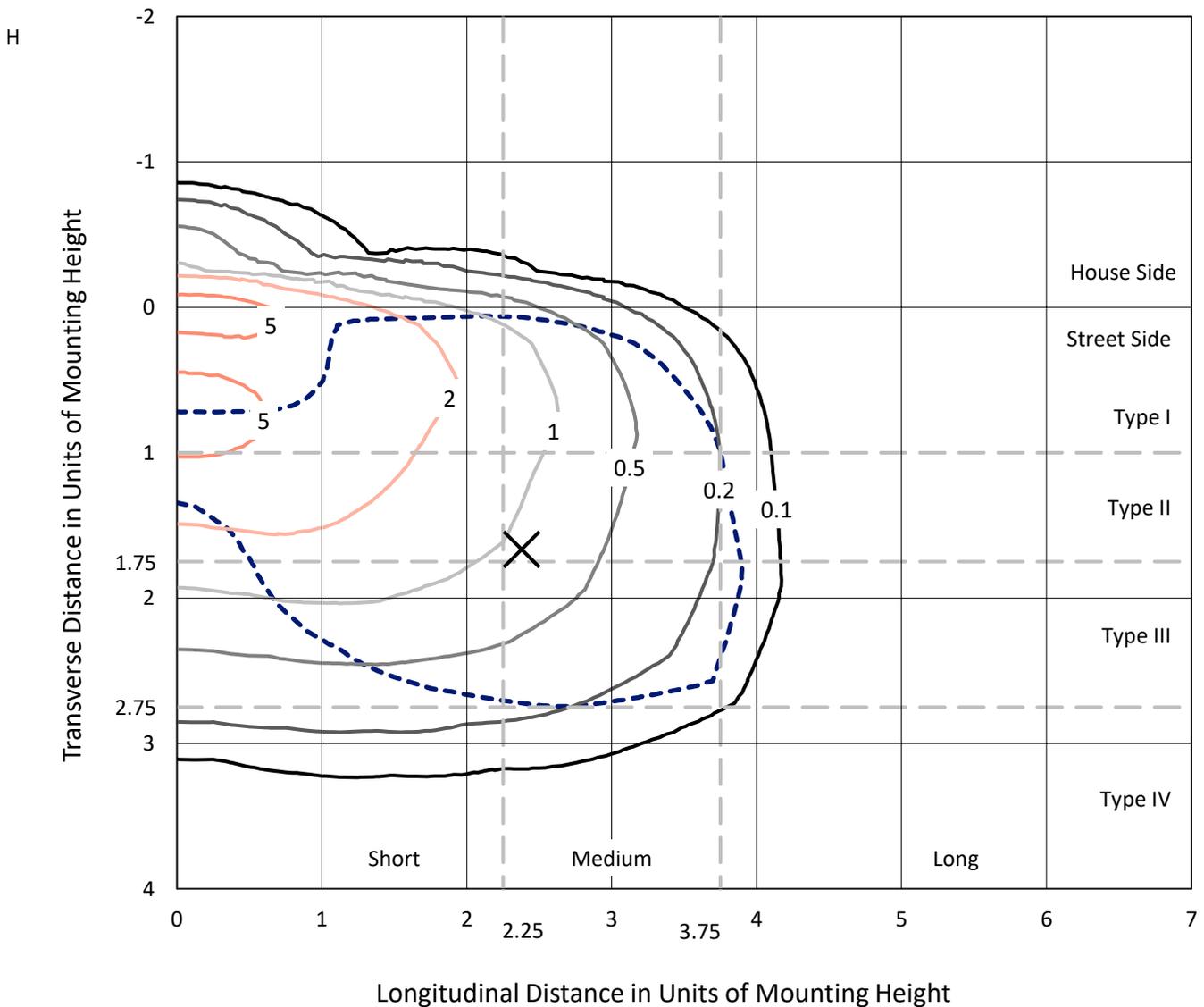
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

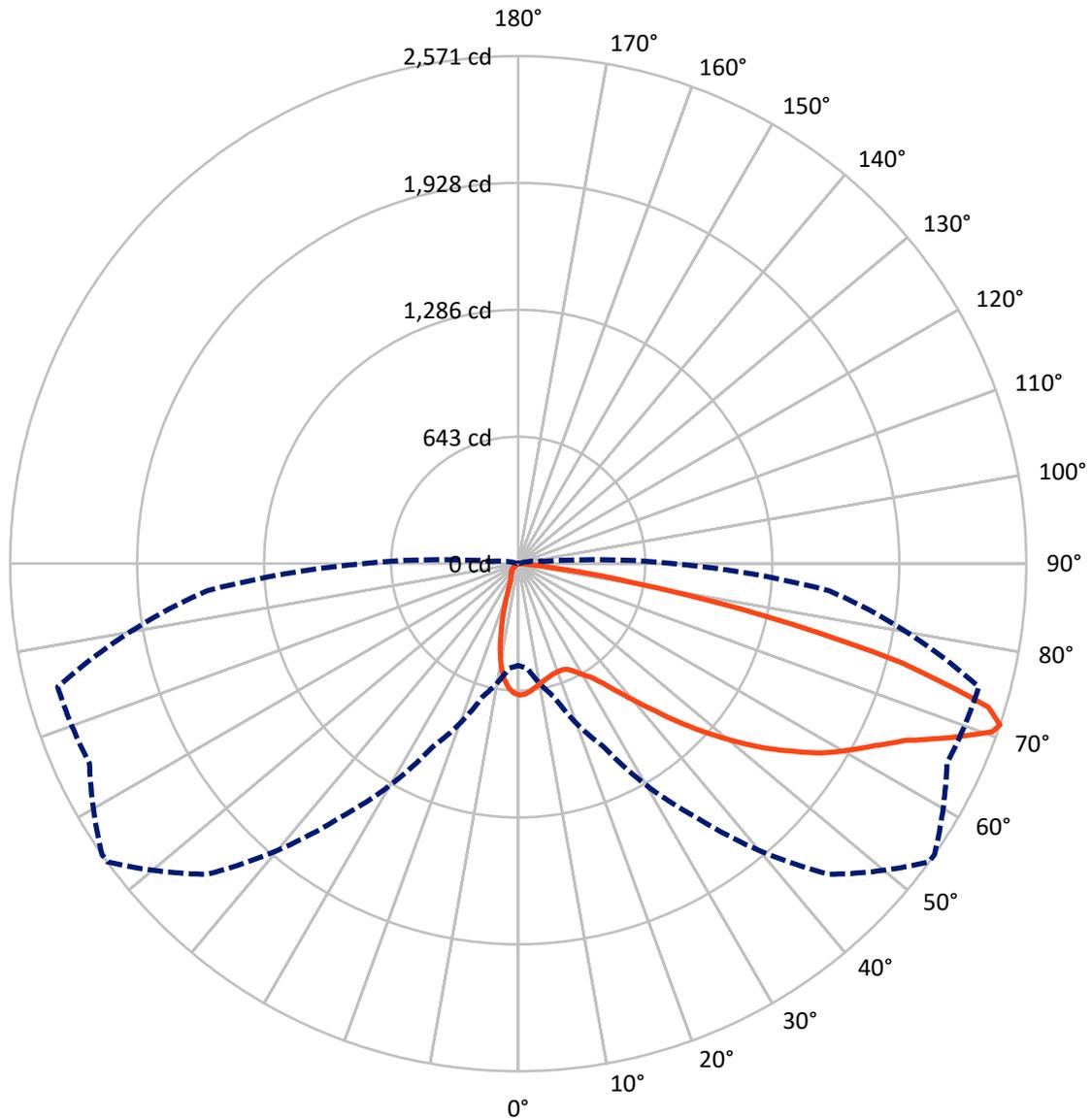
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 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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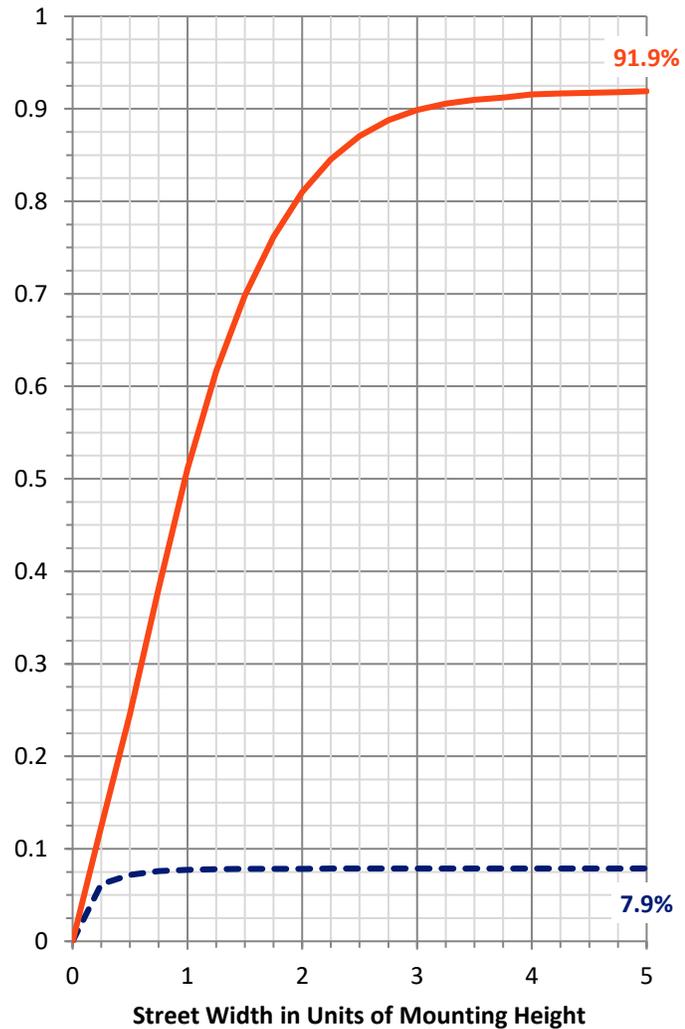
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	273.2	0.0	273.2
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	3177.8	0.0	3177.8
	% Fixture	92.1	0.0	92.1
Total	Lumens	3451.0	0.0	3451.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	1.6
10°-20°	128.1	3.7
20°-30°	205.9	6.0
30°-40°	349.8	10.1
40°-50°	542.9	15.7
50°-60°	729.9	21.2
60°-70°	893.0	25.9
70°-80°	522.1	15.1
80°-90°	22.6	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°	3451.0	100.0
0°-180°	3451.0	100.0



--- HS — SS

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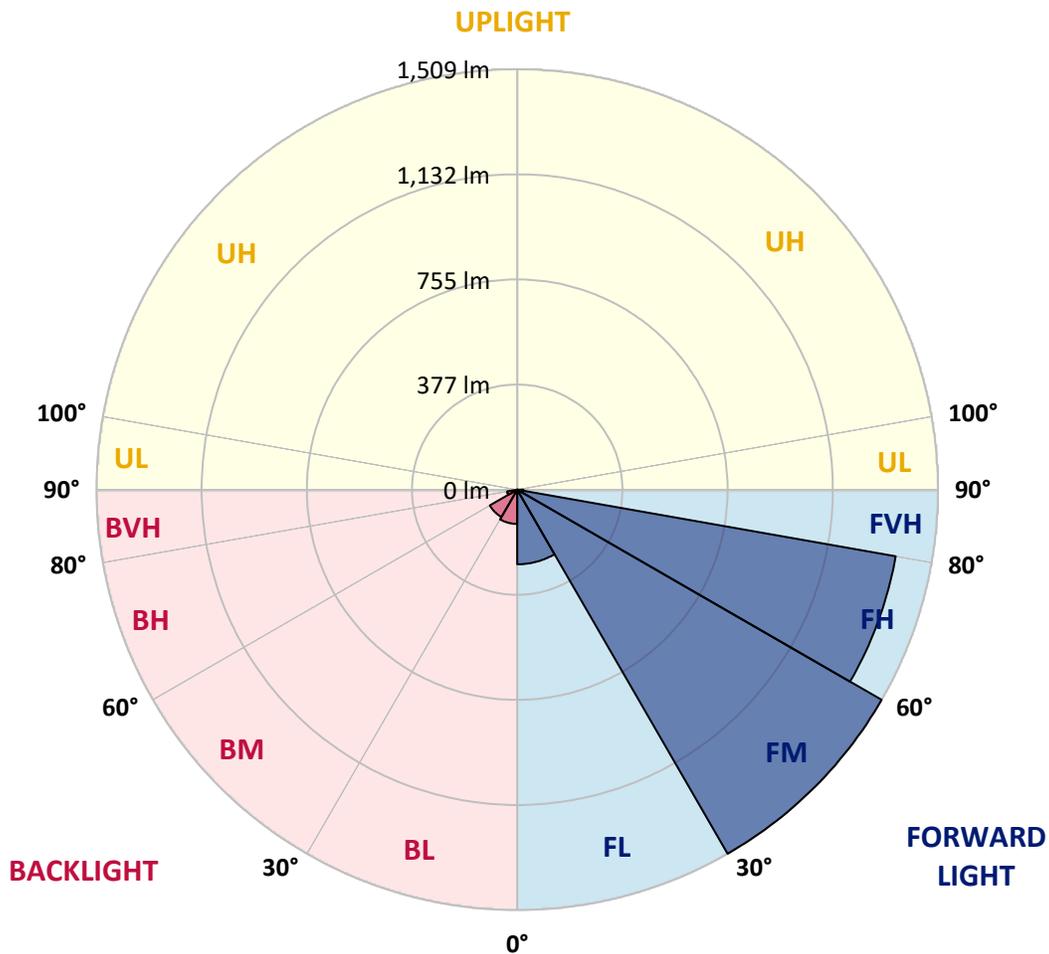
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.8	7.8			
FM	(30°-60°)	1509.4	43.7			
FH	(60°-80°)	1378.4	39.9			G1/1800
FVH	(80°-90°)	22.2	0.6			G1/100
BL	(0°-30°)	123.0	3.6	B1/500		
BM	(30°-60°)	113.3	3.3	B0/220		
BH	(60°-80°)	36.6	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°	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5
2.5°	646.0	646.8	649.6	650.8	653.8	658.7	661.2	661.4	665.4	666.9	668.2
5°	600.3	604.9	609.6	614.6	623.5	635.5	647.3	648.3	661.4	671.0	676.1
7.5°	560.9	565.1	570.7	578.6	591.3	610.1	629.7	632.1	656.7	678.6	690.0
10°	520.5	523.9	532.0	543.6	561.1	586.2	612.7	616.6	652.5	688.8	708.9
12.5°	477.3	479.3	489.0	505.8	531.5	563.4	598.3	603.4	649.9	700.6	731.2
15°	444.4	445.3	454.6	472.0	501.4	543.0	587.1	593.3	650.5	714.7	755.6
17.5°	436.0	436.5	441.5	453.4	479.4	524.7	578.3	585.9	652.4	728.5	780.1
20°	470.0	466.7	461.6	459.8	470.9	513.7	573.0	581.6	654.8	740.7	802.1
22.5°	563.1	553.5	532.3	503.9	486.7	514.5	574.4	582.9	662.7	755.7	827.5
25°	701.3	688.0	651.9	596.1	542.5	536.8	586.0	594.7	678.1	773.7	851.8
27.5°	858.6	845.4	801.3	721.6	630.2	580.9	612.7	620.8	700.9	789.7	870.4
30°	1009.2	1005.5	953.4	863.0	740.5	652.5	647.1	653.9	717.8	799.3	885.1
32.5°	1136.9	1131.0	1089.2	1001.2	866.8	738.5	687.5	689.6	730.5	811.7	904.3
35°	1255.3	1248.0	1211.3	1128.1	996.4	843.6	749.8	746.9	758.2	836.6	932.2
37.5°	1358.7	1365.3	1324.6	1245.4	1112.6	952.8	833.8	825.0	801.6	877.2	972.7
40°	1445.1	1445.1	1423.9	1357.9	1238.1	1065.8	928.8	917.2	866.8	939.8	1024.0
42.5°	1476.3	1482.9	1490.8	1453.5	1350.4	1183.2	1034.6	1022.6	958.7	1028.6	1088.7
45°	1478.1	1488.7	1529.1	1529.0	1451.9	1299.9	1154.0	1148.2	1076.5	1142.6	1169.0
47.5°	1451.9	1465.1	1531.7	1569.6	1532.4	1408.6	1284.4	1277.3	1214.9	1282.4	1253.0
50°	1411.5	1426.1	1503.5	1585.5	1587.1	1503.1	1421.9	1411.2	1367.2	1442.2	1339.8
52.5°	1339.1	1367.3	1478.3	1589.2	1623.0	1584.7	1552.7	1548.0	1537.6	1596.1	1408.9
55°	1184.3	1215.6	1414.9	1590.5	1656.3	1657.1	1675.2	1676.5	1697.4	1739.9	1460.3
57.5°	1111.2	1128.9	1304.3	1596.4	1705.8	1739.2	1800.1	1809.7	1842.1	1876.4	1519.0
60°	1065.2	1086.1	1249.7	1588.3	1783.4	1846.9	1915.9	1919.1	1953.8	2017.2	1598.5
62.5°	1028.4	1049.1	1215.3	1557.3	1870.6	1976.5	2029.0	2029.3	2055.3	2185.0	1688.9
65°	937.8	955.2	1145.7	1522.4	1928.3	2104.6	2160.4	2158.4	2179.6	2362.0	1793.8
67.5°	806.7	820.0	1003.7	1390.3	1906.6	2221.1	2358.7	2352.1	2326.4	2514.9	1835.0
70°	623.7	628.5	791.1	1158.6	1703.3	2265.9	2550.4	2547.0	2416.4	2487.5	1683.9
71°	515.5	531.3	697.1	1022.6	1567.1	2224.6	2569.0	2571.0	2393.8	2412.8	1579.9
72.5°	299.4	312.9	505.3	785.3	1330.5	2051.9	2472.6	2487.2	2288.1	2194.6	1349.5
75°	64.2	68.6	187.3	380.1	731.9	1438.2	1951.7	2003.6	1864.9	1493.0	813.4
77.5°	44.6	48.2	80.3	172.5	241.9	710.6	1212.4	1271.0	1114.1	561.1	260.3
80°	35.3	39.4	62.6	85.2	65.4	229.2	567.9	603.7	371.6	125.2	43.9
82.5°	19.7	23.4	48.8	46.0	25.1	43.5	159.0	179.7	74.4	25.3	10.4
85°	5.7	7.0	31.5	33.5	10.7	8.4	27.1	33.6	14.1	6.7	4.6
87.5°	0.0	0.0	15.2	12.9	3.1	1.2	2.5	2.8	2.8	2.8	3.1
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°	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5	665.5
2.5°	668.2	669.3	665.4	660.3	654.8	648.2	641.2	635.8	635.6	633.0	630.4
5°	676.4	675.8	665.1	648.8	629.6	609.6	590.5	569.0	561.9	553.0	550.1
7.5°	691.6	687.2	664.6	629.0	586.8	545.0	501.7	458.2	439.6	422.9	419.9
10°	710.6	702.4	661.7	599.2	521.9	444.7	379.5	320.3	294.3	274.3	273.3
12.5°	730.5	717.9	653.5	554.3	436.8	328.4	253.2	194.9	173.2	159.3	160.5
15°	751.2	732.5	635.8	493.7	340.0	222.8	155.6	121.3	112.7	109.1	110.0
17.5°	772.5	742.6	611.1	420.7	244.4	143.8	107.7	98.1	98.1	98.9	99.2
20°	790.9	748.0	574.9	338.9	165.6	104.8	94.2	92.8	93.6	94.8	95.0
22.5°	809.2	748.3	527.6	256.0	115.9	91.7	89.7	89.1	89.6	91.0	91.1
25°	824.1	744.6	468.4	182.1	92.5	86.5	85.5	85.2	85.5	87.2	87.2
27.5°	830.1	731.1	396.2	128.0	82.9	80.6	80.3	80.6	81.0	82.3	82.4
30°	830.7	707.5	317.5	92.7	75.2	72.7	73.3	74.4	73.9	73.6	73.9
32.5°	832.3	680.3	240.8	76.2	68.6	64.8	64.0	64.0	62.1	61.1	60.4
35°	837.4	648.2	174.6	68.5	62.0	57.5	54.5	51.1	47.6	45.7	45.2
37.5°	845.4	614.6	125.0	63.4	56.1	51.0	45.4	39.4	34.2	32.9	32.9
40°	860.2	579.8	92.5	59.3	51.4	45.1	36.7	28.8	24.2	23.4	23.4
42.5°	883.4	543.3	73.8	55.8	47.4	39.0	28.0	20.9	17.5	17.0	16.9
45°	907.6	503.0	64.5	52.4	43.1	32.1	20.8	15.5	13.5	13.0	13.0
47.5°	931.8	460.1	60.0	49.1	38.9	24.9	15.5	12.2	11.3	11.3	11.5
50°	952.2	415.3	56.7	45.6	33.5	18.9	12.2	10.4	10.1	10.7	10.8
52.5°	957.3	371.3	52.7	41.1	26.8	14.4	10.1	9.1	9.1	9.1	9.1
55°	954.2	337.2	47.4	35.5	19.8	11.5	8.7	8.1	7.9	7.9	7.9
57.5°	964.8	317.0	38.0	27.6	14.3	9.3	7.6	7.1	6.8	6.7	6.7
60°	986.0	303.9	27.1	19.8	10.7	7.7	6.5	6.0	5.6	5.3	5.3
62.5°	1014.2	292.4	20.1	14.7	8.2	6.2	5.4	5.0	4.3	4.0	4.0
65°	1035.9	271.9	15.3	11.0	6.2	5.0	4.2	4.0	3.1	2.8	2.6
67.5°	1002.7	227.0	12.4	8.1	4.6	3.9	3.3	3.1	1.9	1.5	1.5
70°	860.0	158.1	9.9	5.9	3.4	3.1	2.6	2.0	1.4	1.2	1.2
71°	779.9	132.0	9.0	5.0	2.9	2.9	2.5	1.7	1.2	1.1	1.1
72.5°	647.9	93.7	7.6	3.9	2.6	3.1	2.6	1.5	1.2	1.1	0.9
75°	376.1	39.2	5.3	2.6	2.0	3.7	3.4	1.4	0.9	0.8	0.8
77.5°	113.1	14.4	2.9	1.7	1.5	3.3	3.9	1.2	0.5	0.2	0.2
80°	20.6	6.2	1.9	1.1	1.1	2.0	2.9	0.6	0.0	0.0	0.0
82.5°	7.3	3.1	1.1	0.6	0.5	0.9	1.4	0.0	0.0	0.0	0.0
85°	4.2	2.2	0.6	0.3	0.0	0.2	0.3	0.0	0.0	0.0	0.0
87.5°	2.8	0.6	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)