

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P565254

Luminaire Tested: **IFLD-S-SA3A-AMB-U-T2**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565254
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-AMB-U-T2
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ T2 distribution lens
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

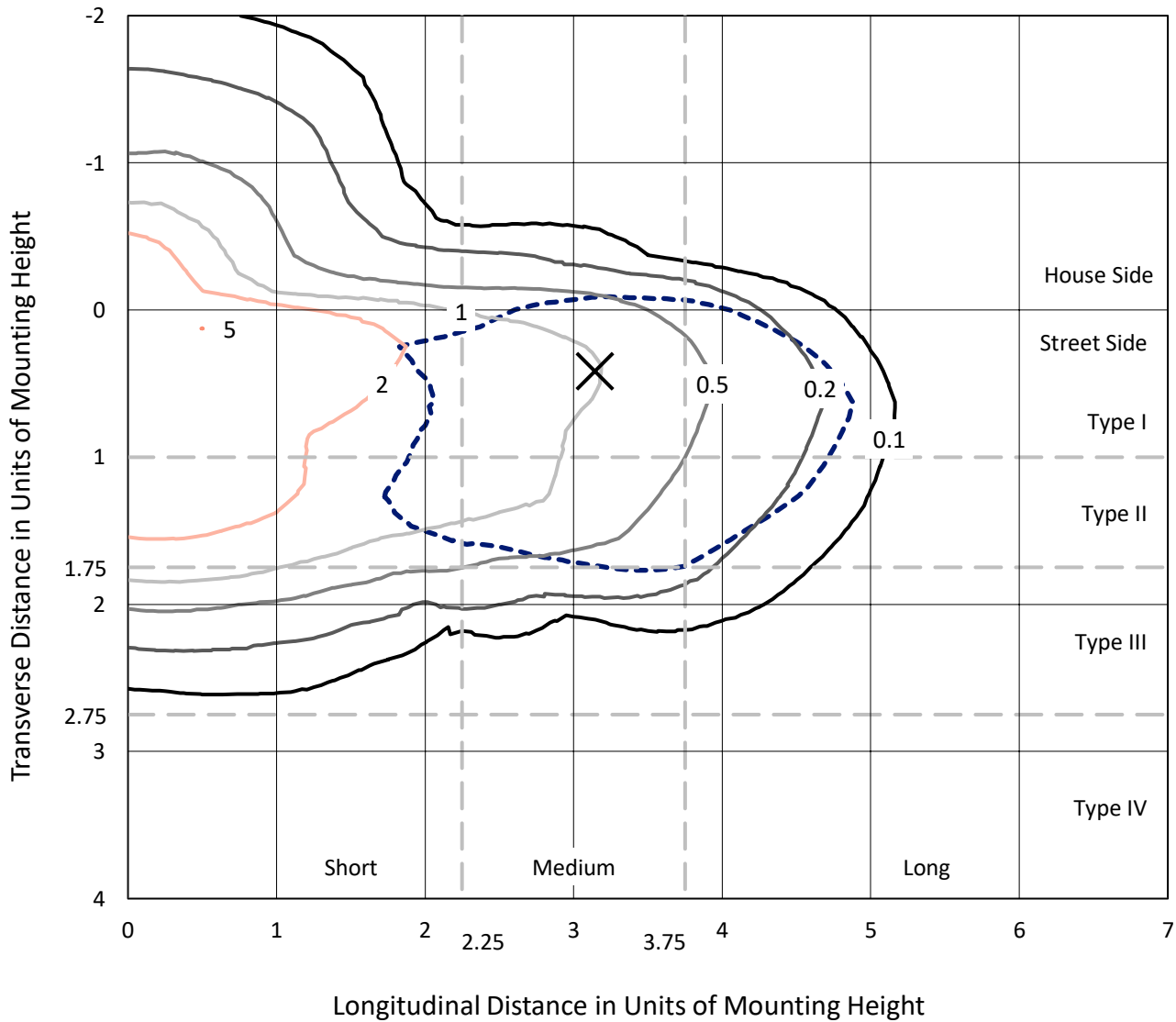
Lumens per Lamp: N/A
Luminaire Lumens: 3265.9 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 61.2
Input Voltage (V): 120
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: 24 FT

REPORT NUMBER: P565254
 CATALOG NUMBER: IFLD-S-SA3A-AMB-U-T2

Iso-Footcandle Lines of Horizontal Illumination

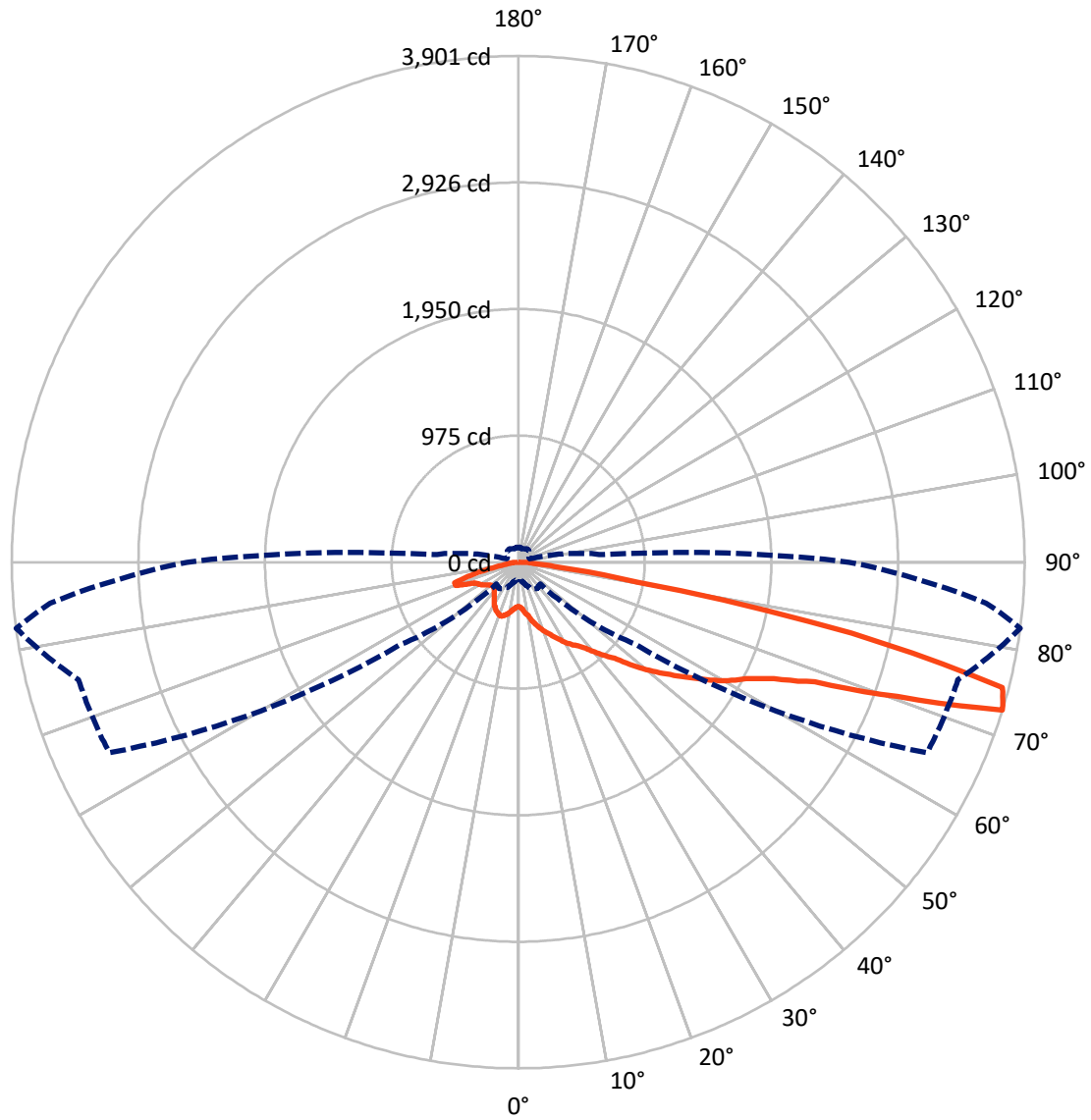
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type II - Medium - N/A

REPORT NUMBER: P565254
CATALOG NUMBER: IFLD-S-SA3A-AMB-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82.5-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P565254
 CATALOG NUMBER: IFLD-S-SA3A-AMB-U-T2

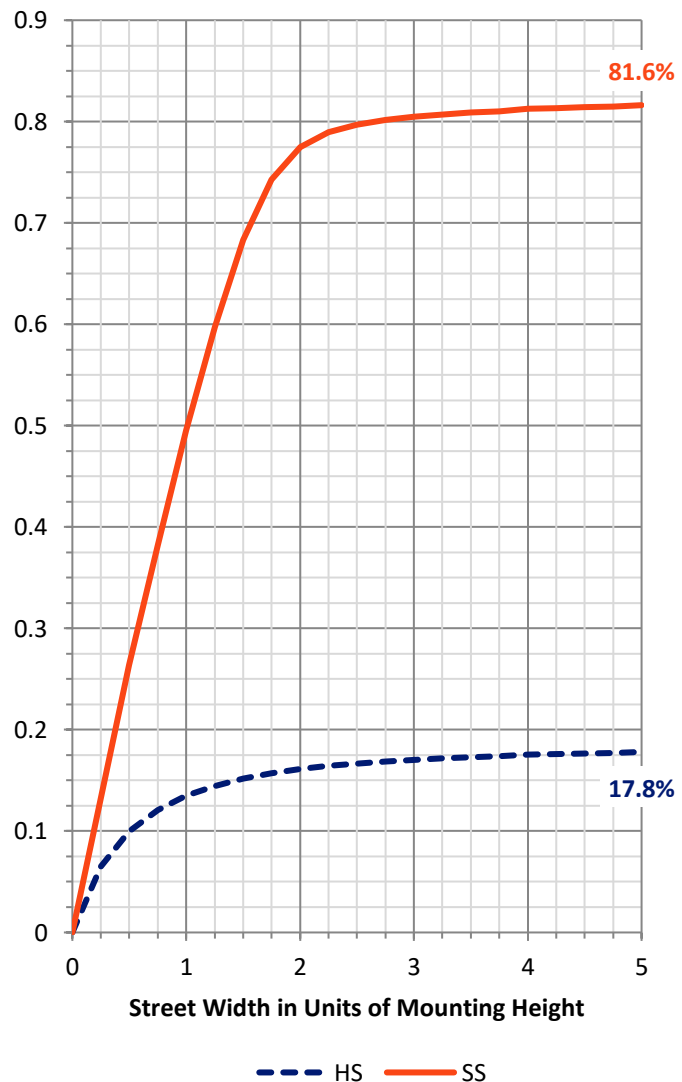
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	592.1	0.0	592.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2673.8	0.0	2673.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	3265.9	0.0	3265.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.3	1.1
10°-20°	114.9	3.5
20°-30°	196.1	6.0
30°-40°	292.8	9.0
40°-50°	457.4	14.0
50°-60°	673.7	20.6
60°-70°	785.3	24.0
70°-80°	638.5	19.6
80°-90°	72.0	2.2
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°	3265.9	100.0
0°-180°	3265.9	100.0

Coefficient of Utilization

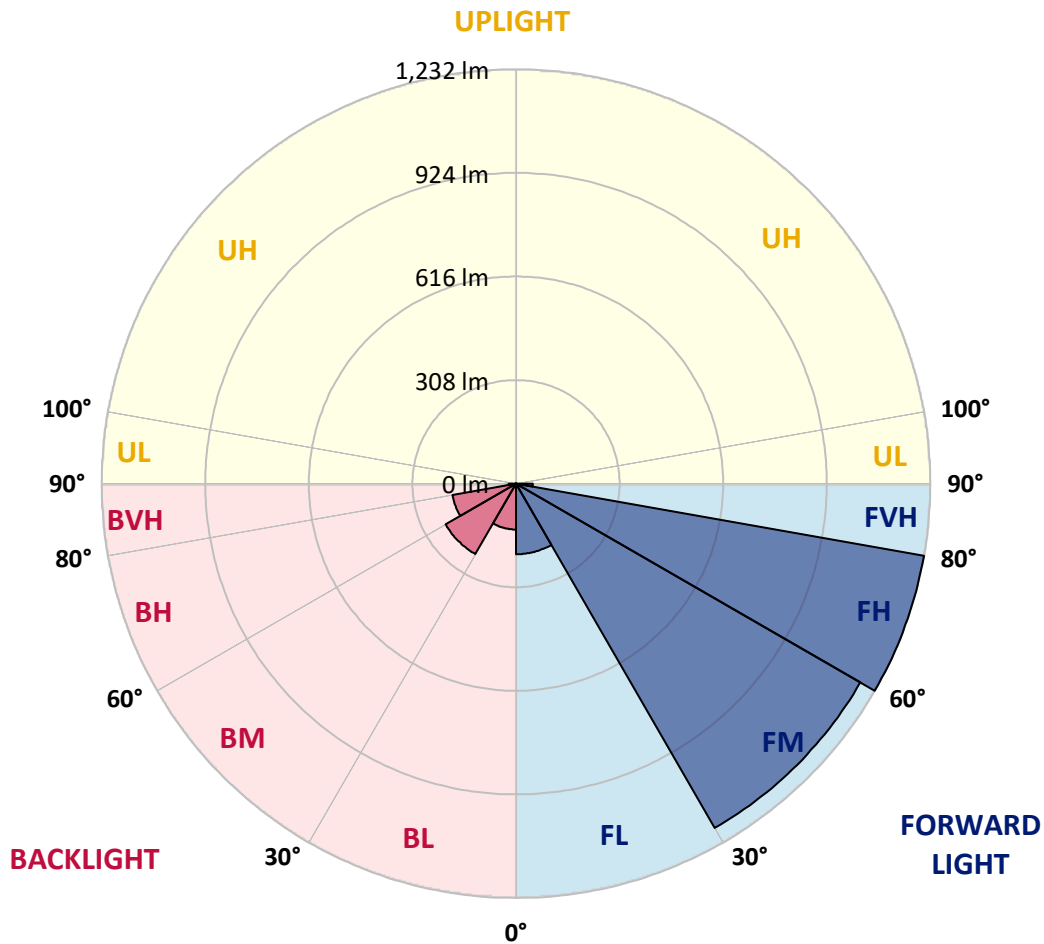


REPORT NUMBER: P565254
 CATALOG NUMBER: IFLD-S-SA3A-AMB-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	209.9	6.4			
FM (30°-60°)	1182.0	36.2			
FH (60°-80°)	1231.9	37.7			G1/1800
FVH (80°-90°)	49.9	1.5			G1/100
BL (0°-30°)	136.4	4.2	B1/500		
BM (30°-60°)	241.8	7.4	B1/1000		
BH (60°-80°)	191.9	5.9	B1/500		G1/500
BVH (80°-90°)	22.0	0.7			G1/100
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 Medium





REPORT NUMBER: P565254
 CATALOG NUMBER: IFLD-S-SA3A-AMB-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6
2.5°	367.6	370.9	369.2	367.6	367.6	364.4	361.1	359.5	356.2	349.7	351.4
5°	387.1	390.4	393.6	390.4	392.0	392.0	390.4	379.0	372.5	366.0	366.0
7.5°	388.8	392.0	395.3	403.4	408.3	411.5	414.8	409.9	396.9	395.3	390.4
10°	401.8	401.8	403.4	411.5	422.9	431.1	445.7	445.7	429.4	418.0	421.3
12.5°	409.9	406.7	414.8	422.9	435.9	452.2	470.1	471.7	466.8	460.3	455.5
15°	393.6	395.3	405.0	421.3	455.5	471.7	496.1	510.8	512.4	494.5	484.7
17.5°	383.9	387.1	398.5	413.2	445.7	483.1	522.2	553.1	556.3	530.3	527.0
20°	393.6	393.6	395.3	414.8	445.7	488.0	541.7	575.8	600.2	566.1	557.9
22.5°	414.8	413.2	418.0	422.9	444.1	489.6	557.9	603.5	626.3	598.6	580.7
25°	449.0	455.5	452.2	453.8	466.8	494.5	566.1	634.4	668.5	636.0	613.2
27.5°	489.6	492.9	499.4	497.8	499.4	522.2	587.2	666.9	723.9	675.1	644.1
30°	528.7	540.0	543.3	548.2	546.6	551.4	600.2	696.2	764.5	717.3	673.4
32.5°	570.9	572.6	595.3	587.2	588.8	593.7	629.5	714.1	800.3	758.0	712.5
35°	650.7	653.9	655.5	645.8	645.8	634.4	668.5	735.2	847.5	790.5	753.1
37.5°	751.5	772.7	759.6	710.8	692.9	683.2	689.7	761.3	906.0	844.2	792.2
40°	857.2	858.9	850.7	806.8	761.3	748.3	741.7	800.3	961.3	910.9	858.9
42.5°	935.3	941.8	946.7	902.8	847.5	826.3	808.4	852.4	1047.6	985.7	925.6
45°	987.4	1006.9	1006.9	992.2	943.4	938.6	883.3	914.2	1119.1	1065.4	1005.3
47.5°	1047.6	1080.1	1068.7	1052.4	1013.4	1026.4	946.7	977.6	1208.6	1190.7	1104.5
50°	1104.5	1127.3	1138.6	1115.9	1089.8	1138.6	1013.4	1047.6	1324.1	1311.1	1185.8
52.5°	1198.8	1223.2	1229.7	1192.3	1164.7	1226.5	1075.2	1128.9	1423.3	1431.4	1288.3
55°	1273.7	1302.9	1350.1	1317.6	1311.1	1242.8	1120.8	1233.0	1524.2	1563.2	1423.3
57.5°	1249.3	1294.8	1377.8	1423.3	1493.3	1366.4	1171.2	1368.0	1613.6	1708.0	1550.2
60°	1093.1	1133.8	1237.9	1397.3	1545.3	1561.6	1296.4	1464.0	1711.2	1856.0	1665.7
62.5°	751.5	808.4	961.3	1207.0	1473.7	1668.9	1608.7	1607.1	1800.7	1973.1	1810.4
65°	403.4	442.4	531.9	733.6	1145.2	1638.0	1961.7	1893.4	1898.3	2165.1	1974.7
67.5°	242.4	257.0	313.9	414.8	606.7	1233.0	2178.1	2659.6	2139.0	2462.7	2243.1
70°	177.3	182.2	227.7	291.2	327.0	556.3	1991.0	3337.9	2755.5	3100.4	2924.7
72.5°	128.5	133.4	164.3	219.6	250.5	239.1	1109.4	3474.5	3505.4	3900.7	3619.3
75°	100.9	102.5	117.1	167.5	198.4	167.5	344.8	2648.2	3498.9	3853.5	3542.8
77.5°	81.3	81.3	91.1	123.6	154.5	130.1	154.5	1330.6	2213.9	2625.4	2321.2
80°	65.1	66.7	71.6	81.3	110.6	94.3	113.9	421.3	880.0	932.1	758.0
82.5°	52.1	52.1	55.3	58.6	81.3	63.4	76.5	185.4	331.8	281.4	221.2
85°	26.0	26.0	52.1	47.2	50.4	40.7	40.7	122.0	175.7	115.5	91.1
87.5°	6.5	6.5	13.0	19.5	24.4	17.9	16.3	47.2	79.7	45.5	30.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P565254
 CATALOG NUMBER: IFLD-S-SA3A-AMB-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6	341.6
2.5°	351.4	346.5	343.2	341.6	338.3	335.1	331.8	330.2	331.8	330.2	325.3
5°	364.4	359.5	356.2	349.7	341.6	338.3	338.3	336.7	333.5	331.8	330.2
7.5°	382.3	375.8	364.4	353.0	348.1	338.3	333.5	331.8	331.8	327.0	327.0
10°	408.3	396.9	375.8	356.2	343.2	330.2	327.0	325.3	327.0	322.1	328.6
12.5°	439.2	419.7	380.6	346.5	330.2	325.3	328.6	331.8	336.7	335.1	336.7
15°	465.2	440.8	374.1	330.2	322.1	327.0	333.5	338.3	344.8	344.8	341.6
17.5°	496.1	460.3	361.1	317.2	313.9	322.1	333.5	340.0	343.2	346.5	349.7
20°	522.2	465.2	341.6	300.9	307.4	313.9	323.7	336.7	343.2	348.1	349.7
22.5°	540.0	453.8	315.6	284.7	291.2	291.2	304.2	322.1	336.7	344.8	341.6
25°	554.7	452.2	289.5	271.6	273.3	270.0	283.0	300.9	312.3	322.1	320.4
27.5°	577.5	427.8	271.6	255.4	247.2	250.5	263.5	273.3	276.5	281.4	286.3
30°	585.6	416.4	253.8	232.6	227.7	229.4	235.9	239.1	237.5	234.2	240.7
32.5°	600.2	383.9	235.9	214.7	211.5	213.1	213.1	211.5	209.8	205.0	208.2
35°	614.9	361.1	224.5	203.3	201.7	203.3	200.1	196.8	191.9	187.1	188.7
37.5°	626.3	336.7	213.1	195.2	198.4	195.2	191.9	188.7	191.9	183.8	183.8
40°	640.9	320.4	201.7	190.3	195.2	193.6	185.4	183.8	208.2	211.5	213.1
42.5°	655.5	300.9	188.7	191.9	191.9	188.7	180.6	177.3	205.0	188.7	188.7
45°	686.4	297.7	183.8	188.7	190.3	185.4	182.2	178.9	183.8	162.7	162.7
47.5°	730.4	296.0	185.4	183.8	185.4	187.1	183.8	172.4	167.5	148.0	146.4
50°	782.4	304.2	187.1	177.3	183.8	185.4	174.1	162.7	156.2	146.4	144.8
52.5°	852.4	315.6	191.9	170.8	178.9	178.9	169.2	159.4	149.7	143.1	141.5
55°	935.3	338.3	190.3	159.4	167.5	175.7	167.5	151.3	148.0	144.8	144.8
57.5°	1031.3	367.6	188.7	149.7	157.8	170.8	162.7	149.7	143.1	143.1	143.1
60°	1122.4	392.0	180.6	135.0	148.0	167.5	159.4	148.0	139.9	139.9	138.3
62.5°	1213.5	418.0	164.3	125.3	136.6	157.8	154.5	141.5	133.4	138.3	136.6
65°	1346.9	449.0	141.5	113.9	126.9	149.7	148.0	135.0	126.9	138.3	138.3
67.5°	1615.3	538.4	120.4	107.4	117.1	139.9	139.9	128.5	122.0	138.3	135.0
70°	2137.4	649.0	107.4	100.9	109.0	128.5	131.8	122.0	115.5	131.8	125.3
72.5°	2552.2	655.5	94.3	91.1	99.2	118.7	122.0	115.5	107.4	115.5	110.6
75°	2329.3	476.6	83.0	81.3	86.2	105.7	112.2	107.4	96.0	99.2	96.0
77.5°	1420.1	283.0	71.6	71.6	74.8	94.3	97.6	92.7	84.6	84.6	81.3
80°	414.8	120.4	60.2	60.2	61.8	79.7	81.3	78.1	69.9	68.3	68.3
82.5°	133.4	73.2	50.4	47.2	45.5	65.1	71.6	66.7	58.6	55.3	53.7
85°	65.1	45.5	35.8	32.5	32.5	52.1	53.7	43.9	35.8	32.5	32.5
87.5°	21.1	19.5	17.9	13.0	13.0	24.4	26.0	19.5	16.3	13.0	13.0
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)