

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: P565334

Luminaire Tested: **IFLD-S-SA3A-AMB-U-SL3**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565334
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-SL3
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ SL3 distribution lens
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

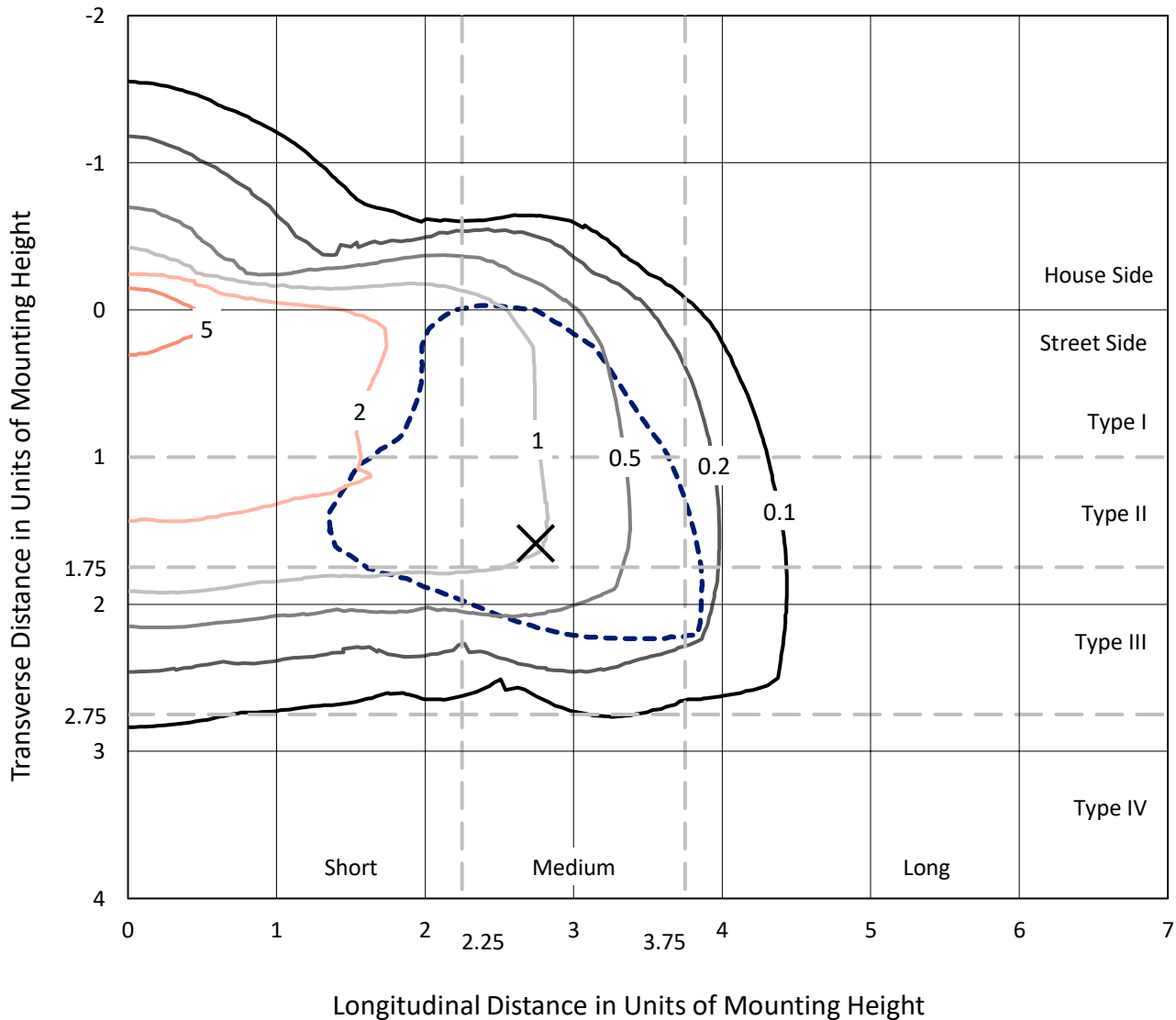
Lumens per Lamp: N/A
Luminaire Lumens: 3226.6 lumens
Efficiency: N/A
Efficacy: 52.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

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Iso-Footcandle Lines of Horizontal Illumination

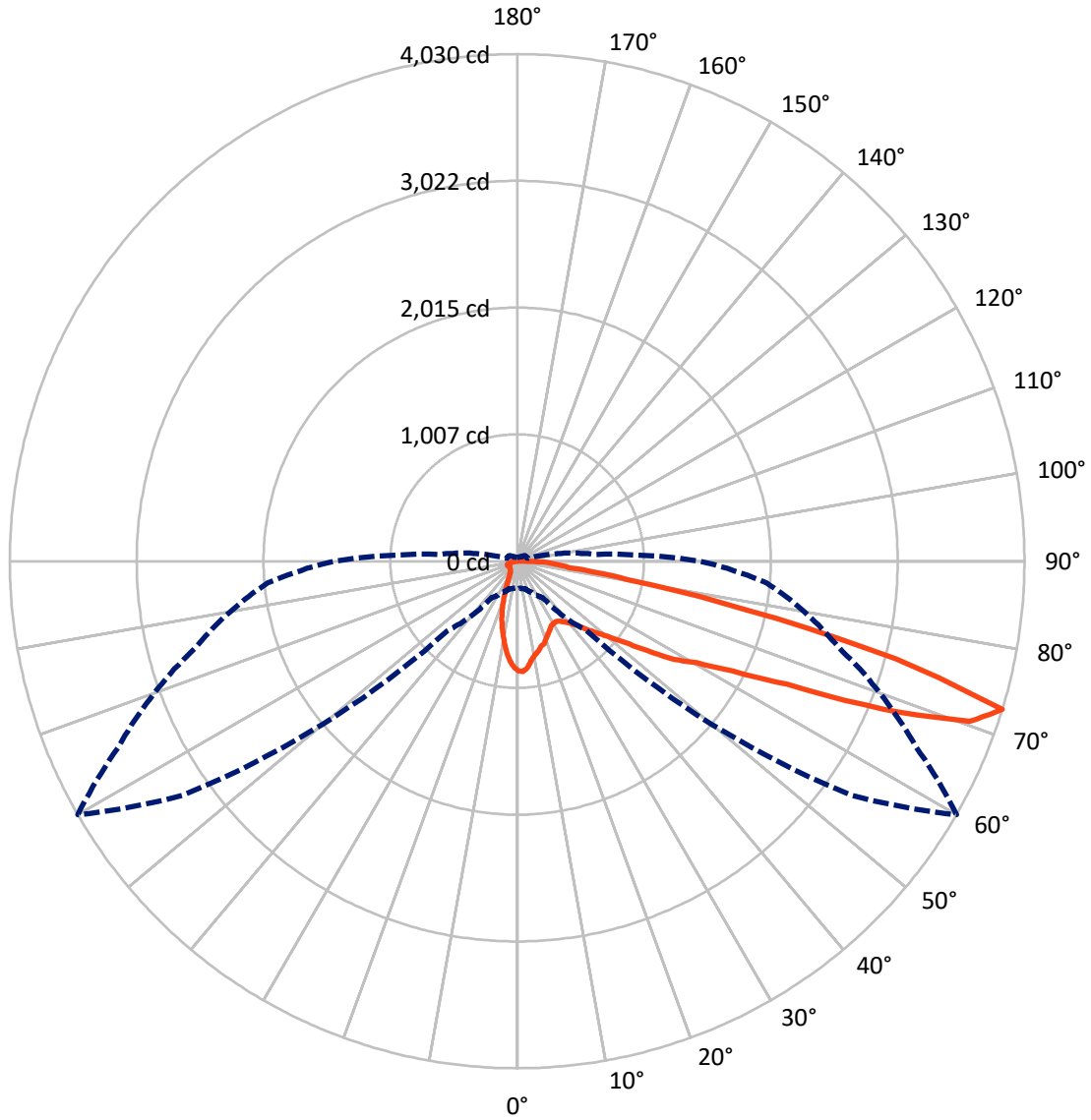
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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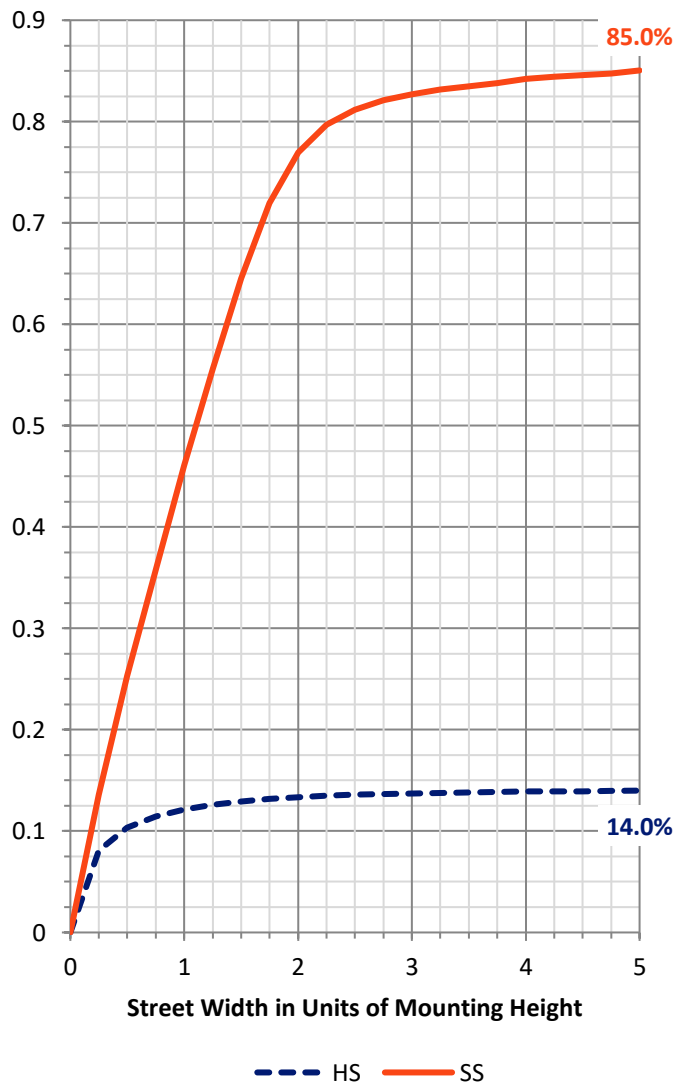
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	455.9	0.0	455.9
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	2770.7	0.0	2770.7
	% Fixture	85.9	0.0	85.9
Total	Lumens	3226.6	0.0	3226.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	2.2
10°-20°	149.4	4.6
20°-30°	187.7	5.8
30°-40°	245.3	7.6
40°-50°	366.8	11.4
50°-60°	609.1	18.9
60°-70°	923.5	28.6
70°-80°	594.5	18.4
80°-90°	78.8	2.4
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°	3226.6	100.0
0°-180°	3226.6	100.0

Coefficient of Utilization

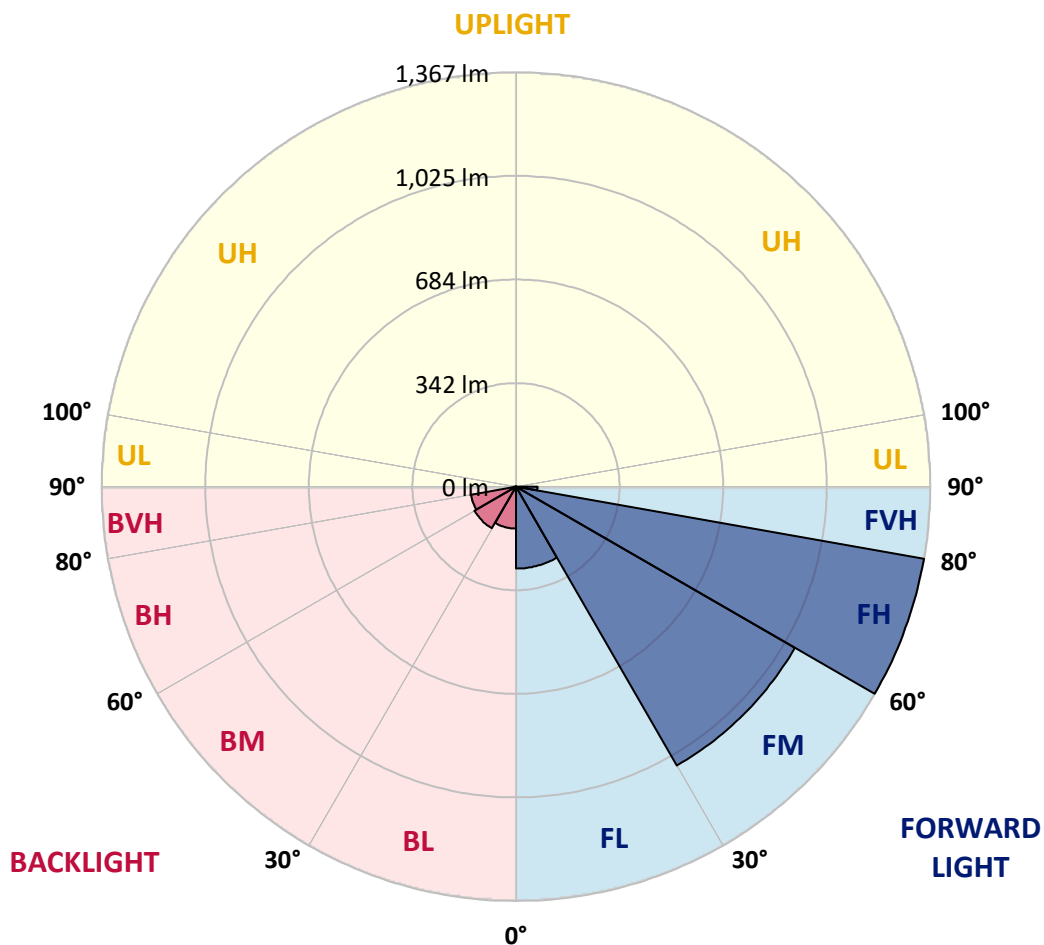


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	270.3	8.4			
FM (30°-60°)	1062.6	32.9			
FH (60°-80°)	1367.2	42.4			G1/1800
FVH (80°-90°)	70.7	2.2			G1/100
BL (0°-30°)	138.2	4.3	B1/500		
BM (30°-60°)	158.5	4.9	B0/220		
BH (60°-80°)	150.9	4.7	B1/500		G1/500
BVH (80°-90°)	8.2	0.3			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°	55°	60°	65°	75°	85°
0°	869.8	869.8	869.8	869.8	869.8	869.8	869.8	869.8	869.8	869.8	869.8
2.5°	848.5	856.7	858.4	866.6	863.3	864.9	876.4	878.0	868.2	876.4	868.2
5°	809.2	814.1	807.6	815.8	827.2	825.6	846.9	850.2	845.3	858.4	856.7
7.5°	758.4	751.9	758.4	765.0	774.8	792.8	796.1	799.4	815.8	832.2	825.6
10°	668.4	683.1	684.7	707.7	724.0	742.1	755.2	760.1	776.5	809.2	810.9
12.5°	637.2	627.4	642.1	650.3	670.0	699.5	717.5	737.2	748.6	778.1	779.7
15°	586.4	588.1	591.4	612.7	629.0	661.8	696.2	704.4	733.9	766.6	776.5
17.5°	548.8	550.4	561.9	565.1	594.6	624.1	668.4	691.3	709.3	753.5	756.8
20°	529.1	535.7	538.9	537.3	550.4	588.1	637.2	656.9	679.8	740.4	750.3
22.5°	529.1	529.1	535.7	529.1	535.7	553.7	602.8	627.4	666.7	733.9	727.3
25°	532.4	535.7	527.5	527.5	529.1	540.6	570.1	604.5	650.3	737.2	717.5
27.5°	550.4	545.5	542.2	534.0	524.2	527.5	550.4	578.3	622.5	742.1	699.5
30°	568.4	563.5	553.7	548.8	530.7	529.1	543.9	573.3	612.7	747.0	694.6
32.5°	583.2	589.7	586.4	581.5	558.6	532.4	547.1	571.7	615.9	765.0	688.0
35°	612.7	611.0	624.1	611.0	596.3	560.2	566.8	586.4	619.2	783.0	706.0
37.5°	663.4	655.2	660.2	653.6	632.3	597.9	601.2	612.7	643.8	815.8	720.8
40°	701.1	697.8	696.2	712.6	684.7	643.8	638.9	648.7	670.0	848.5	743.7
42.5°	729.0	733.9	740.4	748.6	740.4	704.4	691.3	697.8	720.8	897.7	792.8
45°	774.8	765.0	789.6	822.3	814.1	779.7	758.4	769.9	791.2	956.7	861.6
47.5°	806.0	806.0	842.0	868.2	889.5	868.2	838.7	850.2	851.8	1027.1	953.4
50°	840.4	842.0	899.3	938.6	976.3	981.2	938.6	945.2	956.7	1120.5	1074.6
52.5°	933.7	938.6	971.4	1023.8	1066.4	1105.7	1094.3	1066.4	1056.6	1217.1	1182.7
55°	1079.5	1063.1	1094.3	1122.1	1169.6	1231.9	1315.4	1256.4	1212.2	1320.3	1297.4
57.5°	1164.7	1182.7	1230.2	1266.3	1326.9	1382.6	1495.6	1472.7	1408.8	1444.8	1459.6
60°	1187.6	1208.9	1290.8	1371.1	1520.2	1613.5	1697.1	1639.8	1544.7	1577.5	1639.8
62.5°	1002.5	1035.3	1161.4	1353.1	1649.6	1962.5	2046.0	1923.1	1774.1	1782.3	1875.6
65°	666.7	697.8	794.5	1033.7	1526.7	2275.3	2581.7	2357.2	2141.0	2113.2	2193.4
67.5°	376.8	375.1	401.3	578.3	1051.7	2236.0	3307.4	3140.3	2683.2	2445.7	2426.0
70°	285.0	285.0	285.0	340.7	493.1	1613.5	3687.4	3813.5	3230.4	2735.7	2486.7
72.5°	222.8	216.2	224.4	275.2	353.8	779.7	3243.5	4029.8	3495.7	2640.6	1988.7
75°	160.5	160.5	172.0	224.4	327.6	383.3	2208.2	3109.1	2873.3	1996.9	1159.8
77.5°	116.3	114.7	131.0	180.2	301.4	342.4	1107.4	1867.5	1618.5	953.4	303.1
80°	73.7	75.4	88.5	132.7	270.3	329.3	499.6	894.4	602.8	231.0	109.8
82.5°	44.2	45.9	59.0	85.2	204.8	306.3	398.1	414.4	242.4	111.4	63.9
85°	24.6	24.6	36.0	52.4	121.2	303.1	358.7	321.1	172.0	68.8	32.8
87.5°	8.2	8.2	14.7	21.3	52.4	163.8	231.0	211.3	103.2	32.8	11.5
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°	869.8	869.8	869.8	869.8	869.8	869.8	869.8	869.8	869.8	869.8	869.8
2.5°	863.3	866.6	851.8	838.7	837.1	817.4	819.1	812.5	801.0	794.5	781.4
5°	848.5	838.7	817.4	794.5	773.2	750.3	730.6	717.5	707.7	699.5	701.1
7.5°	810.9	801.0	771.6	733.9	701.1	666.7	634.0	597.9	579.9	568.4	558.6
10°	786.3	765.0	727.3	660.2	611.0	557.0	506.2	460.3	409.5	388.2	385.0
12.5°	771.6	742.1	678.2	593.0	522.6	448.8	370.2	304.7	260.5	235.9	231.0
15°	750.3	720.8	619.2	537.3	437.4	340.7	252.3	201.5	178.6	172.0	173.6
17.5°	724.0	684.7	576.6	468.5	339.1	235.9	183.5	167.1	154.0	149.1	149.1
20°	707.7	642.1	514.4	383.3	247.4	176.9	152.3	142.5	137.6	136.0	137.6
22.5°	684.7	607.7	460.3	296.5	176.9	145.8	132.7	127.8	127.8	127.8	127.8
25°	656.9	578.3	394.8	213.0	140.9	122.9	119.6	117.9	117.9	121.2	121.2
27.5°	640.5	540.6	326.0	157.3	119.6	108.1	106.5	108.1	113.0	114.7	114.7
30°	612.7	506.2	260.5	131.0	104.8	99.9	99.9	99.9	103.2	104.8	104.8
32.5°	596.3	484.9	198.2	111.4	95.0	93.4	93.4	93.4	95.0	96.6	96.6
35°	596.3	463.6	154.0	101.6	90.1	86.8	86.8	86.8	88.5	88.5	88.5
37.5°	607.7	447.2	127.8	93.4	85.2	83.5	83.5	83.5	81.9	81.9	83.5
40°	617.6	432.5	116.3	88.5	83.5	80.3	80.3	78.6	78.6	78.6	80.3
42.5°	645.4	432.5	106.5	85.2	81.9	77.0	77.0	75.4	75.4	77.0	77.0
45°	701.1	430.8	99.9	83.5	78.6	75.4	72.1	72.1	73.7	75.4	75.4
47.5°	776.5	434.1	96.6	81.9	75.4	72.1	68.8	68.8	70.4	75.4	75.4
50°	851.8	455.4	95.0	78.6	73.7	68.8	67.2	67.2	70.4	73.7	73.7
52.5°	959.9	498.0	96.6	78.6	73.7	67.2	65.5	65.5	67.2	70.4	70.4
55°	1063.1	561.9	99.9	78.6	72.1	67.2	63.9	62.2	63.9	65.5	67.2
57.5°	1210.6	656.9	101.6	77.0	70.4	67.2	62.2	59.0	60.6	62.2	62.2
60°	1395.7	799.4	109.8	78.6	70.4	63.9	59.0	54.1	55.7	55.7	54.1
62.5°	1651.2	1033.7	122.9	81.9	70.4	60.6	54.1	50.8	49.1	49.1	49.1
65°	1926.4	1204.0	127.8	86.8	75.4	59.0	49.1	44.2	44.2	44.2	44.2
67.5°	2113.2	1277.7	116.3	88.5	83.5	57.3	45.9	41.0	39.3	37.7	37.7
70°	1965.7	1056.6	101.6	83.5	85.2	55.7	42.6	37.7	34.4	34.4	32.8
72.5°	1456.3	619.2	88.5	78.6	77.0	52.4	41.0	36.0	32.8	29.5	29.5
75°	707.7	229.3	78.6	70.4	63.9	44.2	37.7	32.8	29.5	26.2	26.2
77.5°	180.2	99.9	60.6	59.0	49.1	36.0	32.8	29.5	26.2	22.9	21.3
80°	91.7	70.4	45.9	44.2	34.4	29.5	26.2	22.9	19.7	18.0	18.0
82.5°	57.3	45.9	36.0	31.1	22.9	21.3	19.7	16.4	14.7	11.5	11.5
85°	29.5	26.2	22.9	18.0	13.1	11.5	9.8	8.2	8.2	4.9	4.9
87.5°	13.1	11.5	9.8	6.6	3.3	3.3	1.6	1.6	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)