

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: P565269

Luminaire Tested: **IFLD-S-SA2A-AMB-U-T3**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565269
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-AMB-U-T3
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ T3 distribution lens
Light Source: (32) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

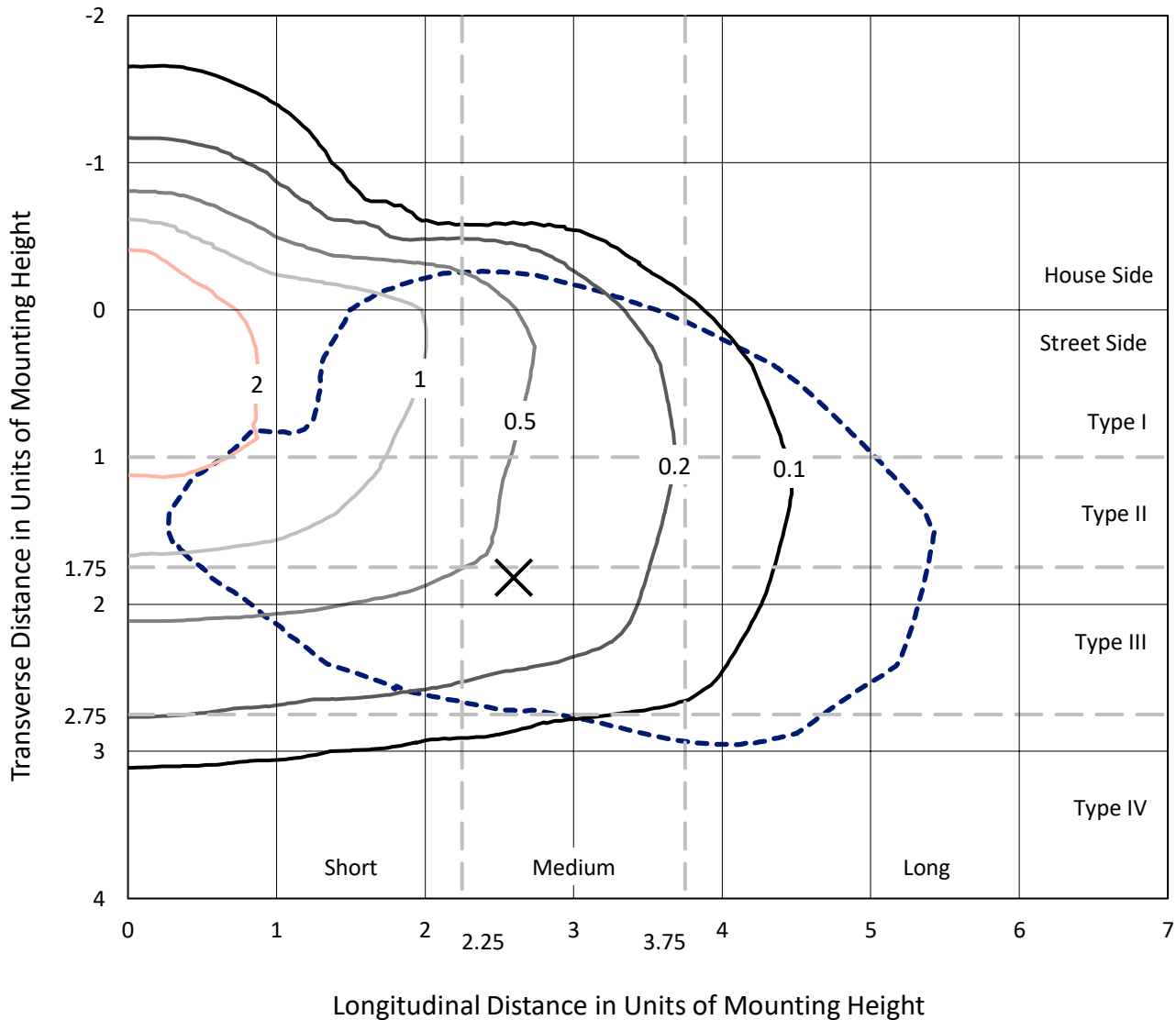
Lumens per Lamp: N/A
Luminaire Lumens: 2235.4 lumens
Efficiency: N/A
Efficacy: 54.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 41.2
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

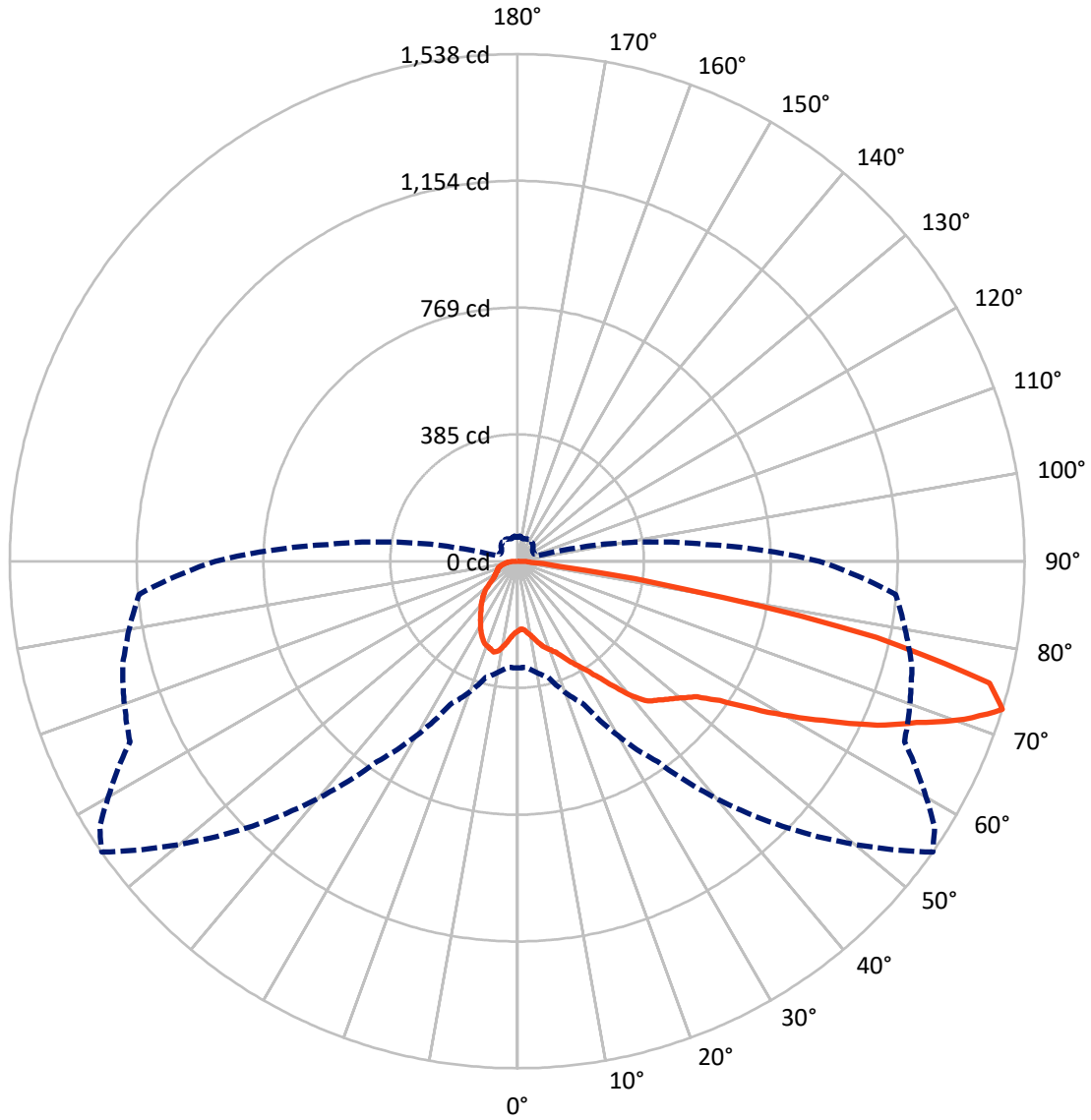
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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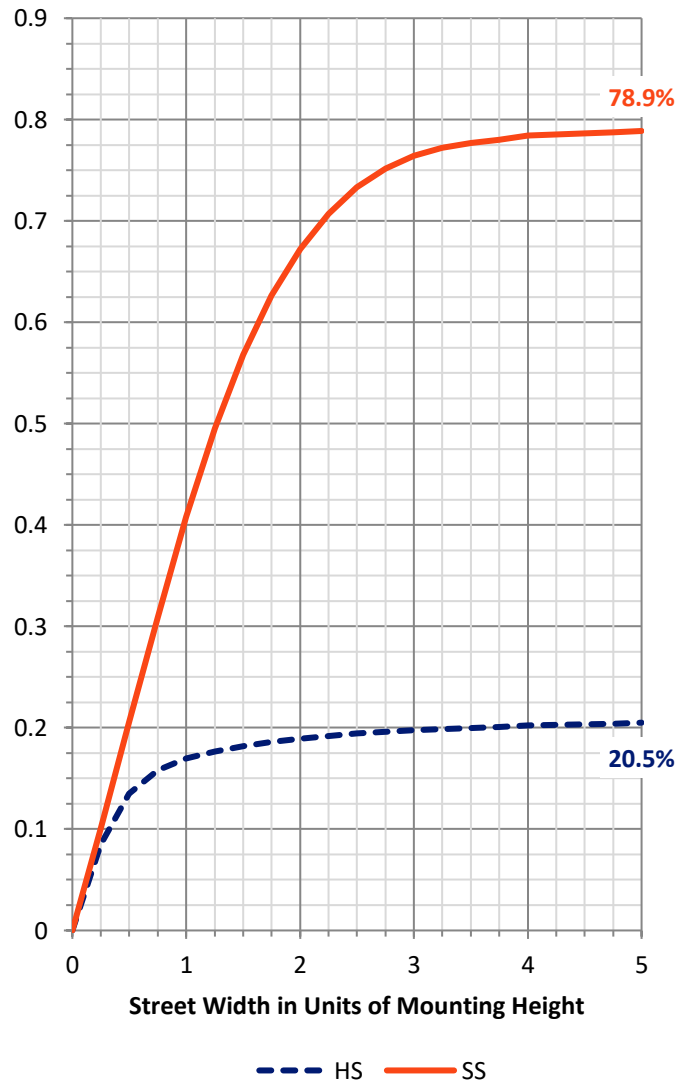
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	466.8	0.0	466.8
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	1768.6	0.0	1768.6
	% Fixture	79.1	0.0	79.1
Total	Lumens	2235.4	0.0	2235.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.0	1.0
10°-20°	76.5	3.4
20°-30°	137.1	6.1
30°-40°	207.2	9.3
40°-50°	300.3	13.4
50°-60°	431.6	19.3
60°-70°	570.6	25.5
70°-80°	430.6	19.3
80°-90°	59.6	2.7
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°	2235.4	100.0
0°-180°	2235.4	100.0

Coefficient of Utilization

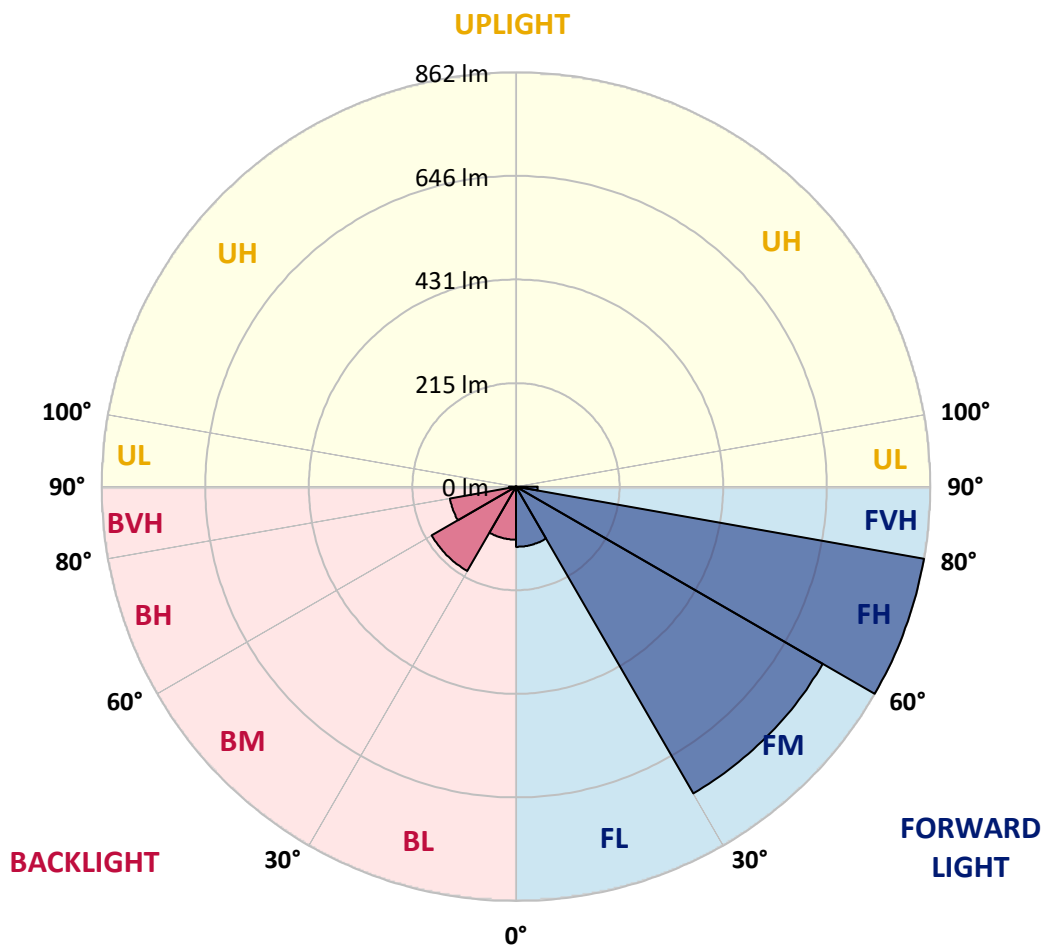


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.2	5.6			
FM (30°-60°)	736.6	33.0			
FH (60°-80°)	861.6	38.5			G1/1800
FVH (80°-90°)	45.2	2.0			G1/100
BL (0°-30°)	110.3	4.9	B1/500		
BM (30°-60°)	202.5	9.1	B0/220		
BH (60°-80°)	139.5	6.2	B1/500		G1/500
BVH (80°-90°)	14.5	0.6			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	212.9	212.9	212.9	212.9	212.9	212.9	212.9	212.9	212.9	212.9	212.9
2.5°	200.4	203.8	203.8	203.8	205.0	206.1	206.1	207.2	211.8	210.6	214.1
5°	206.1	208.4	207.2	208.4	209.5	207.2	208.4	208.4	212.9	215.2	220.9
7.5°	212.9	216.3	214.1	218.6	217.5	217.5	218.6	217.5	217.5	220.9	230.0
10°	231.1	232.3	231.1	230.0	227.7	228.9	230.0	230.0	232.3	233.4	239.1
12.5°	245.9	248.2	249.4	244.8	242.5	242.5	244.8	244.8	249.4	250.5	253.9
15°	263.0	263.0	263.0	259.6	259.6	255.1	261.9	261.9	264.2	266.4	268.7
17.5°	277.8	275.5	275.5	269.9	269.9	271.0	275.5	275.5	281.2	281.2	284.7
20°	290.4	289.2	289.2	282.4	277.8	281.2	286.9	290.4	300.6	301.7	299.5
22.5°	310.8	312.0	310.8	298.3	293.8	291.5	300.6	302.9	320.0	322.2	315.4
25°	340.4	342.7	338.2	322.2	314.3	307.4	321.1	323.4	338.2	338.2	333.6
27.5°	367.8	372.3	365.5	353.0	339.3	331.3	346.1	349.6	366.6	365.5	342.7
30°	407.6	403.1	398.5	396.2	382.6	366.6	370.1	375.7	384.9	387.1	362.1
32.5°	465.7	455.5	446.3	436.1	423.6	408.8	399.7	401.9	415.6	400.8	373.5
35°	520.4	510.1	501.0	487.3	465.7	452.0	437.2	439.5	440.6	431.5	386.0
37.5°	562.5	556.8	553.4	531.7	515.8	496.4	486.2	486.2	471.4	441.8	407.6
40°	586.4	594.4	595.5	571.6	568.2	539.7	539.7	535.2	504.4	458.9	417.9
42.5°	604.6	610.3	619.4	608.0	608.0	595.5	580.7	570.5	523.8	485.1	446.3
45°	636.5	638.8	652.4	655.8	644.5	650.2	601.2	579.6	538.6	522.6	485.1
47.5°	671.8	675.2	703.7	710.5	695.7	700.3	624.0	593.2	570.5	570.5	532.9
50°	701.4	703.7	742.4	756.0	762.9	773.1	651.3	620.6	605.8	639.9	590.9
52.5°	718.5	717.3	753.8	787.9	824.4	843.7	683.2	668.4	675.2	723.0	667.2
55°	725.3	736.7	775.4	807.3	880.2	890.4	745.8	732.1	765.2	824.4	753.8
57.5°	746.9	729.9	784.5	827.8	916.6	946.2	846.0	832.3	855.1	910.9	843.7
60°	728.7	725.3	760.6	840.3	961.0	996.3	955.3	948.5	963.3	991.7	957.6
62.5°	679.8	693.4	740.1	825.5	964.4	1063.5	1069.2	1080.6	1069.2	1103.3	1087.4
65°	631.9	639.9	678.6	789.1	956.4	1102.2	1200.1	1204.7	1166.0	1191.0	1220.6
67.5°	596.6	600.1	639.9	746.9	933.7	1148.9	1306.0	1295.8	1238.8	1247.9	1271.8
70°	515.8	522.6	552.2	668.4	895.0	1200.1	1439.2	1431.3	1282.1	1240.0	1254.8
72.5°	324.5	322.2	365.5	479.4	743.5	1136.4	1538.3	1500.7	1295.8	1238.8	1151.2
75°	141.2	140.1	162.8	217.5	407.6	840.3	1479.1	1501.9	1340.2	1244.5	989.5
77.5°	50.1	50.1	60.3	83.1	146.9	350.7	1114.7	1216.1	1203.5	1111.3	717.3
80°	30.7	30.7	39.9	47.8	61.5	95.6	515.8	617.1	774.3	746.9	390.5
82.5°	20.5	20.5	29.6	33.0	41.0	43.3	133.2	179.9	300.6	355.3	158.3
85°	18.2	17.1	20.5	21.6	26.2	22.8	42.1	47.8	96.8	132.1	39.9
87.5°	5.7	5.7	12.5	11.4	12.5	8.0	18.2	21.6	25.0	38.7	11.4
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°	212.9	212.9	212.9	212.9	212.9	212.9	212.9	212.9	212.9	212.9	212.9
2.5°	218.6	215.2	219.8	219.8	218.6	222.0	224.3	224.3	223.2	224.3	224.3
5°	222.0	223.2	227.7	228.9	231.1	232.3	234.6	238.0	240.3	239.1	240.3
7.5°	230.0	232.3	238.0	241.4	247.1	249.4	250.5	253.9	256.2	253.9	252.8
10°	244.8	245.9	251.6	259.6	264.2	264.2	265.3	261.9	261.9	263.0	263.0
12.5°	256.2	264.2	271.0	275.5	279.0	274.4	268.7	267.6	261.9	265.3	266.4
15°	269.9	274.4	283.5	290.4	284.7	274.4	272.1	269.9	267.6	268.7	268.7
17.5°	286.9	288.1	299.5	293.8	277.8	274.4	272.1	273.3	271.0	271.0	268.7
20°	297.2	307.4	308.6	292.6	273.3	266.4	266.4	266.4	269.9	267.6	265.3
22.5°	310.8	314.3	314.3	280.1	267.6	260.7	260.7	260.7	258.5	255.1	256.2
25°	325.6	322.2	307.4	271.0	253.9	250.5	242.5	240.3	239.1	240.3	238.0
27.5°	342.7	334.8	304.0	258.5	241.4	234.6	224.3	216.3	211.8	211.8	210.6
30°	348.4	343.9	293.8	244.8	225.4	212.9	197.0	185.6	175.3	174.2	174.2
32.5°	360.9	348.4	286.9	238.0	210.6	186.7	167.4	156.0	150.3	151.4	153.7
35°	371.2	355.3	285.8	226.6	194.7	166.2	146.9	140.1	135.5	130.9	132.1
37.5°	388.3	365.5	281.2	219.8	182.2	150.3	134.4	126.4	118.4	111.6	111.6
40°	400.8	380.3	280.1	211.8	170.8	137.8	126.4	117.3	105.9	97.9	97.9
42.5°	423.6	394.0	274.4	202.7	158.3	130.9	117.3	107.0	92.2	84.3	84.3
45°	464.6	417.9	271.0	187.9	145.7	121.8	108.2	93.4	85.4	77.4	78.6
47.5°	509.0	454.3	269.9	177.6	133.2	111.6	93.4	87.7	79.7	74.0	74.0
50°	559.1	498.7	267.6	160.5	117.3	99.1	85.4	80.8	75.1	71.7	71.7
52.5°	625.1	528.3	265.3	142.3	100.2	87.7	82.0	77.4	74.0	70.6	70.6
55°	709.4	590.9	261.9	116.1	87.7	84.3	78.6	75.1	74.0	69.5	70.6
57.5°	808.4	649.0	249.4	95.6	80.8	80.8	78.6	77.4	76.3	71.7	71.7
60°	921.2	732.1	222.0	82.0	75.1	78.6	78.6	76.3	76.3	74.0	71.7
62.5°	1063.5	822.1	162.8	75.1	70.6	72.9	76.3	74.0	72.9	75.1	74.0
65°	1161.4	889.3	113.9	68.3	66.0	69.5	74.0	74.0	72.9	80.8	80.8
67.5°	1139.8	855.1	85.4	62.6	63.8	67.2	77.4	78.6	74.0	85.4	85.4
70°	1074.9	759.5	68.3	59.2	61.5	76.3	78.6	75.1	71.7	82.0	79.7
72.5°	916.6	576.1	62.6	55.8	56.9	68.3	75.1	74.0	70.6	76.3	71.7
75°	695.7	365.5	55.8	50.1	50.1	59.2	72.9	70.6	63.8	63.8	62.6
77.5°	435.0	183.3	45.5	45.5	44.4	51.2	66.0	64.9	56.9	55.8	54.7
80°	203.8	86.5	37.6	38.7	37.6	43.3	55.8	54.7	49.0	46.7	45.5
82.5°	83.1	43.3	33.0	34.2	30.7	35.3	46.7	45.5	41.0	39.9	35.3
85°	30.7	26.2	26.2	26.2	22.8	23.9	31.9	31.9	26.2	21.6	21.6
87.5°	11.4	13.7	15.9	17.1	10.2	10.2	15.9	17.1	12.5	8.0	8.0
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)