

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: P565370

Luminaire Tested: **IFLD-M-SA4A-AMB-U-T2R-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565370
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-AMB-U-T2R-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T2R distribution lens and House Side Shield
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

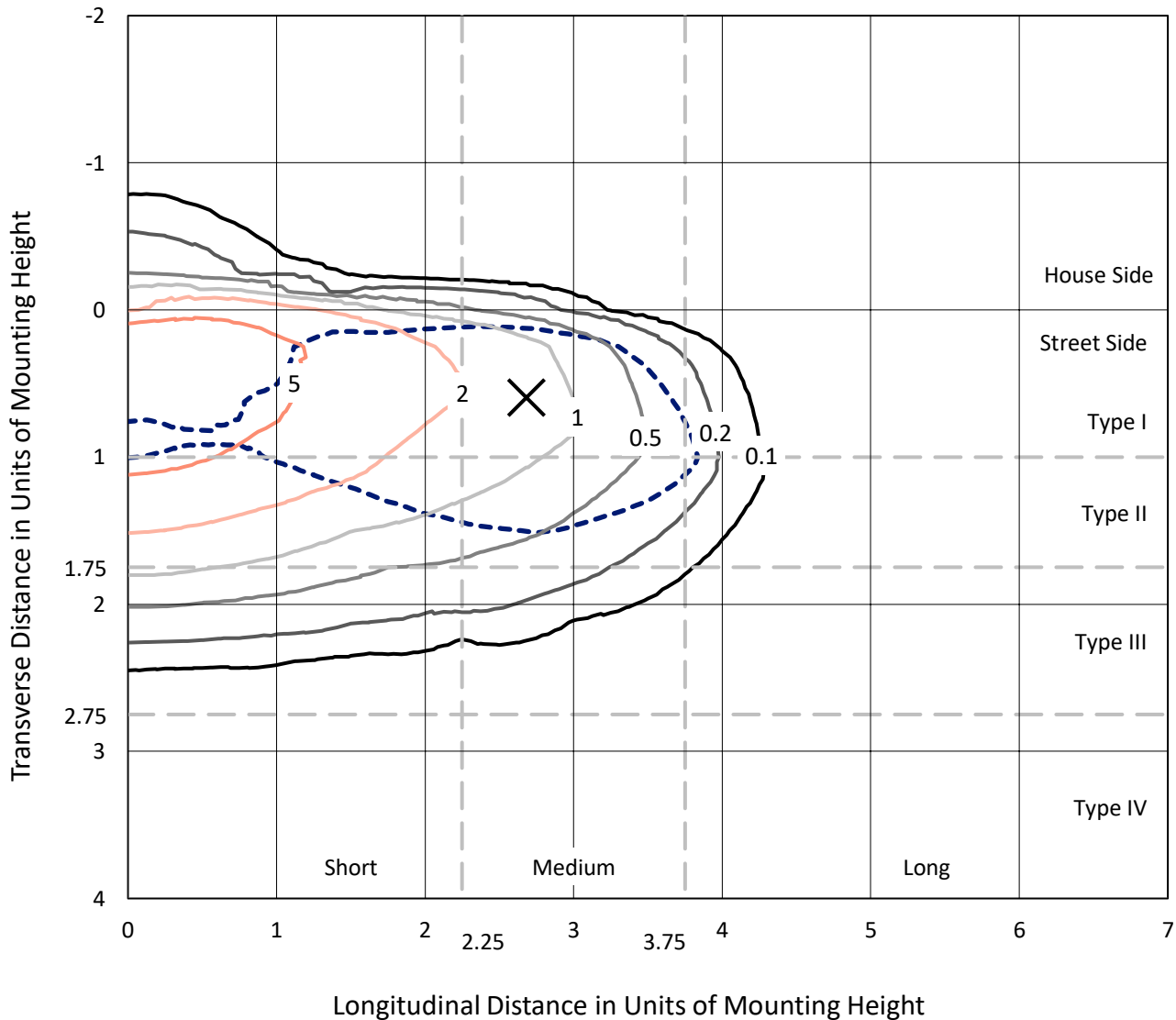
Lumens per Lamp: N/A
Luminaire Lumens: 3451.1 lumens
Efficiency: N/A
Efficacy: 41.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 83
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: P565370
 CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

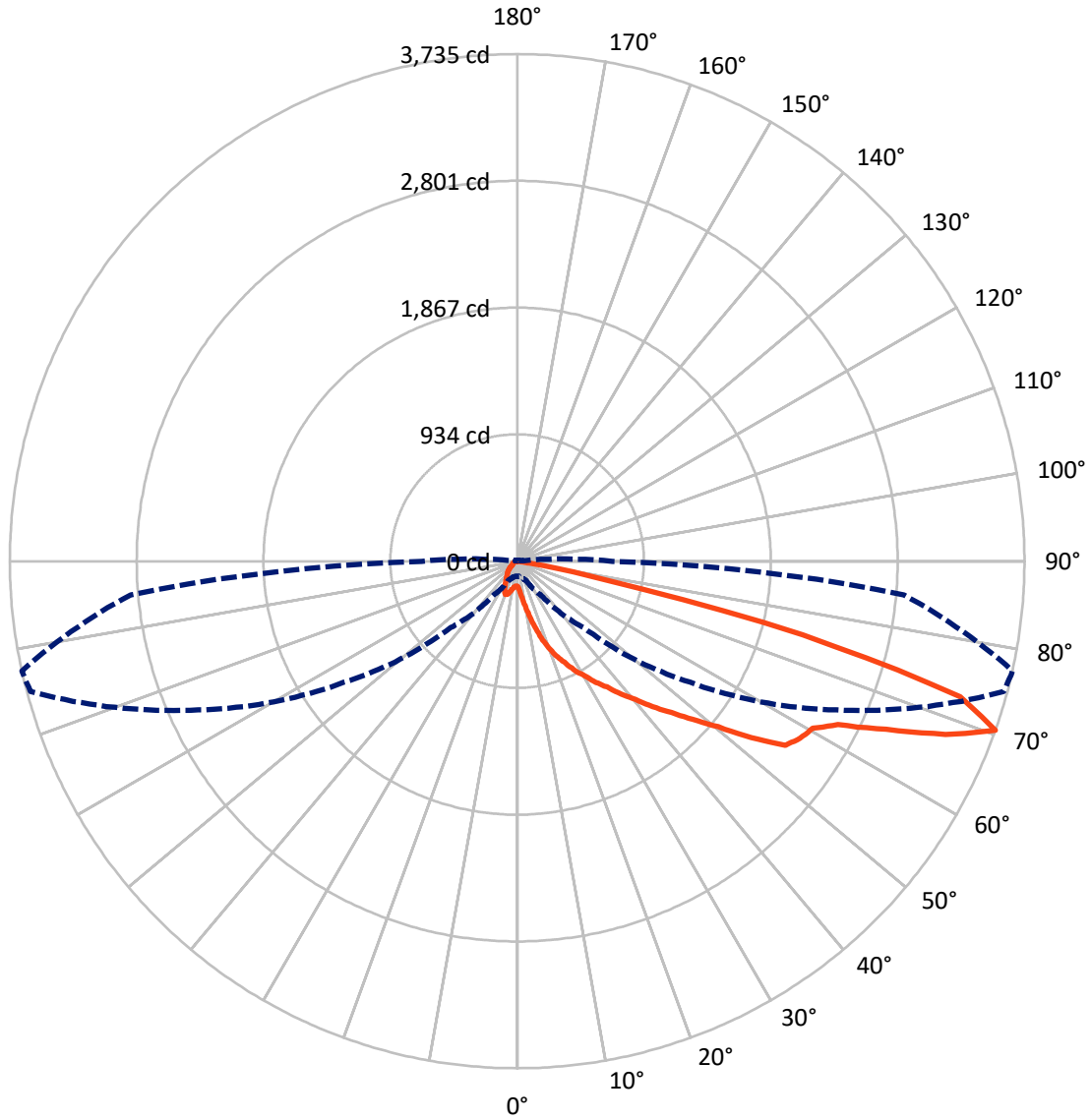
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P565370
CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T2R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P565370
 CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T2R-HSS

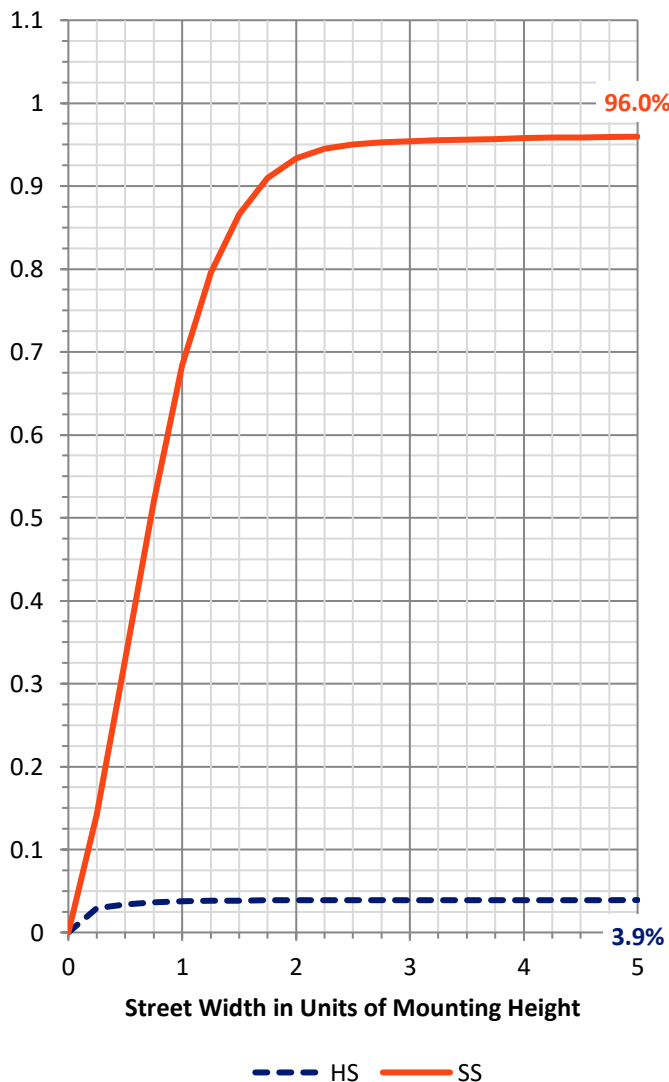
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	135.7	0.0	135.7
	% Fixture	3.9	0.0	3.9
Street Side	Lumens	3315.4	0.0	3315.4
	% Fixture	96.1	0.0	96.1
Total	Lumens	3451.1	0.0	3451.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.4	0.8
10°-20°	126.3	3.7
20°-30°	250.7	7.3
30°-40°	460.6	13.3
40°-50°	681.2	19.7
50°-60°	797.9	23.1
60°-70°	747.6	21.7
70°-80°	347.2	10.1
80°-90°	11.0	0.3
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°	3451.1	100.0
0°-180°	3451.1	100.0

Coefficient of Utilization



REPORT NUMBER: P565370

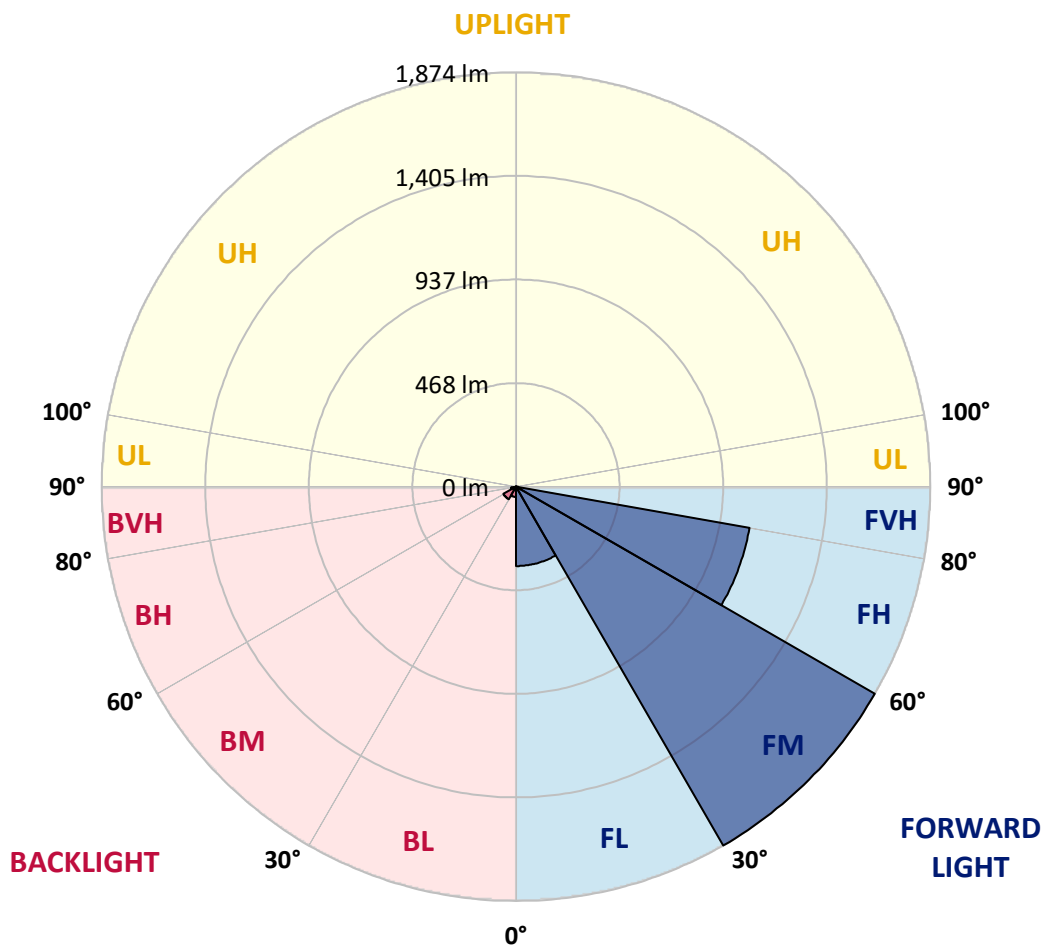
CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	359.1	10.4			
FM (30°-60°)	1873.9	54.3			
FH (60°-80°)	1072.5	31.1			G1/1800
FVH (80°-90°)	10.0	0.3			G0/10
BL (0°-30°)	46.4	1.3	B0/110		
BM (30°-60°)	65.9	1.9	B0/220		
BH (60°-80°)	22.4	0.6	B0/110		G0/110
BVH (80°-90°)	1.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium





REPORT NUMBER: P565370

CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1
2.5°	283.9	271.3	269.2	262.9	256.6	241.8	229.2	212.4	199.8	195.6	193.5
5°	496.3	483.7	469.0	443.7	420.6	365.9	326.0	277.6	235.5	229.2	210.3
7.5°	647.7	633.0	628.8	603.6	601.5	551.0	469.0	376.4	294.4	281.8	235.5
10°	740.3	733.9	733.9	723.4	712.9	691.9	626.7	515.2	368.0	344.9	277.6
12.5°	820.2	807.6	820.2	820.2	834.9	790.7	731.8	639.3	460.6	420.6	321.8
15°	870.6	866.4	883.3	902.2	914.8	893.8	828.6	736.1	576.2	519.4	384.9
17.5°	853.8	868.5	893.8	935.8	982.1	984.2	940.0	818.1	675.1	609.9	437.4
20°	834.9	832.8	881.2	914.8	984.2	1043.1	1024.2	912.7	752.9	696.1	506.8
22.5°	839.1	845.4	891.7	914.8	984.2	1066.2	1085.2	988.4	818.1	767.6	569.9
25°	942.1	935.8	946.4	965.3	1009.4	1078.8	1127.2	1066.2	889.6	834.9	647.7
27.5°	1118.8	1116.7	1097.8	1053.6	1057.8	1116.7	1150.3	1133.5	965.3	916.9	710.8
30°	1438.5	1406.9	1358.5	1242.9	1148.2	1160.9	1181.9	1169.3	1038.9	977.9	776.0
32.5°	1600.4	1587.8	1575.2	1480.5	1276.5	1219.7	1221.8	1190.3	1114.6	1064.1	830.7
35°	1770.7	1762.3	1690.8	1638.2	1474.2	1329.1	1301.8	1232.4	1213.4	1137.7	887.5
37.5°	1854.9	1873.8	1835.9	1747.6	1642.4	1505.8	1385.9	1291.2	1293.3	1242.9	950.6
40°	1932.7	1930.6	1867.5	1829.6	1735.0	1644.6	1507.9	1385.9	1373.3	1339.6	1020.0
42.5°	1936.9	1949.5	1909.5	1863.3	1819.1	1758.1	1669.8	1470.0	1491.0	1463.7	1095.7
45°	1846.4	1840.1	1854.9	1867.5	1869.6	1823.3	1848.5	1615.1	1621.4	1592.0	1200.8
47.5°	1749.7	1714.0	1730.8	1806.5	1861.2	1859.1	1966.3	1766.5	1753.9	1739.2	1306.0
50°	1562.5	1573.0	1585.7	1676.1	1829.6	1896.9	2073.6	1899.0	1911.6	1917.9	1470.0
52.5°	1362.7	1373.3	1400.6	1524.7	1720.3	1899.0	2159.8	2128.2	2153.5	2157.7	1659.3
55°	1272.3	1263.9	1268.1	1352.2	1552.0	1884.3	2170.3	2281.8	2410.0	2395.3	1789.7
57.5°	1158.8	1156.7	1175.6	1266.0	1421.6	1783.3	2208.2	2363.8	2473.1	2458.4	1838.0
60°	963.2	973.7	1024.2	1146.1	1350.1	1648.8	2170.3	2351.2	2500.5	2500.5	1924.3
62.5°	706.6	721.3	790.7	952.7	1196.6	1476.3	2071.5	2342.7	2635.1	2649.8	2128.2
65°	399.6	403.8	475.3	649.8	944.2	1284.9	1978.9	2487.9	2927.4	2986.3	2378.5
67.5°	185.1	180.9	227.1	357.5	612.0	1015.8	1833.8	2611.9	3352.2	3402.7	2754.9
70°	111.5	111.5	122.0	157.7	307.0	691.9	1554.1	2590.9	3709.7	3734.9	2858.0
72.5°	88.3	90.4	94.6	100.9	143.0	357.5	1112.5	2250.2	3575.1	3409.0	2372.2
75°	63.1	67.3	77.8	82.0	94.6	168.2	481.6	1335.4	2420.6	2170.3	1274.4
77.5°	50.5	50.5	54.7	63.1	71.5	113.6	117.8	445.8	782.3	643.5	241.8
80°	31.5	31.5	44.2	46.3	58.9	73.6	40.0	94.6	105.2	88.3	44.2
82.5°	16.8	18.9	23.1	35.8	48.4	33.6	16.8	31.5	33.6	33.6	18.9
85°	0.0	2.1	12.6	23.1	16.8	8.4	10.5	12.6	12.6	12.6	8.4
87.5°	0.0	0.0	6.3	4.2	4.2	2.1	2.1	4.2	4.2	4.2	2.1
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: P565370
 CATALOG NUMBER: IFLD-M-SA4A-AMB-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1	185.1
2.5°	189.3	187.2	180.9	178.8	172.4	168.2	168.2	166.1	161.9	161.9	161.9
5°	199.8	193.5	183.0	172.4	166.1	161.9	159.8	153.5	149.3	149.3	149.3
7.5°	218.7	206.1	191.4	176.7	166.1	153.5	140.9	128.3	119.9	113.6	113.6
10°	243.9	225.0	199.8	183.0	157.7	128.3	103.0	84.1	77.8	73.6	73.6
12.5°	275.5	248.2	214.5	183.0	130.4	90.4	71.5	63.1	61.0	58.9	58.9
15°	313.3	275.5	229.2	166.1	94.6	69.4	58.9	56.8	54.7	52.6	52.6
17.5°	357.5	307.0	237.6	134.6	71.5	58.9	54.7	50.5	48.4	48.4	48.4
20°	397.5	338.6	231.3	96.7	58.9	52.6	48.4	44.2	42.1	42.1	42.1
22.5°	443.7	359.6	206.1	71.5	52.6	46.3	42.1	40.0	37.9	35.8	35.8
25°	487.9	380.6	166.1	56.8	48.4	42.1	37.9	35.8	33.6	31.5	31.5
27.5°	532.1	397.5	126.2	50.5	44.2	37.9	33.6	31.5	29.4	29.4	29.4
30°	578.3	401.7	90.4	46.3	40.0	35.8	31.5	29.4	27.3	27.3	27.3
32.5°	597.3	393.3	65.2	44.2	37.9	31.5	27.3	25.2	25.2	25.2	25.2
35°	624.6	376.4	52.6	40.0	33.6	29.4	25.2	25.2	23.1	23.1	23.1
37.5°	656.1	344.9	46.3	37.9	31.5	27.3	25.2	23.1	23.1	21.0	21.0
40°	679.3	313.3	42.1	35.8	29.4	25.2	23.1	21.0	21.0	18.9	18.9
42.5°	708.7	267.1	42.1	33.6	27.3	23.1	21.0	18.9	16.8	16.8	14.7
45°	740.3	222.9	40.0	31.5	25.2	21.0	18.9	14.7	12.6	12.6	12.6
47.5°	771.8	174.5	37.9	29.4	23.1	18.9	14.7	12.6	10.5	10.5	8.4
50°	828.6	134.6	33.6	25.2	21.0	16.8	12.6	10.5	8.4	8.4	6.3
52.5°	877.0	107.3	31.5	23.1	18.9	14.7	10.5	8.4	6.3	6.3	6.3
55°	860.1	86.2	27.3	21.0	16.8	10.5	8.4	6.3	6.3	4.2	4.2
57.5°	799.1	77.8	25.2	18.9	14.7	10.5	8.4	6.3	4.2	4.2	4.2
60°	782.3	69.4	23.1	18.9	12.6	8.4	6.3	4.2	4.2	4.2	2.1
62.5°	780.2	63.1	21.0	14.7	10.5	6.3	6.3	4.2	4.2	2.1	2.1
65°	811.8	56.8	16.8	12.6	8.4	6.3	4.2	4.2	2.1	0.0	0.0
67.5°	822.3	50.5	16.8	10.5	6.3	4.2	4.2	2.1	0.0	0.0	0.0
70°	700.3	42.1	14.7	8.4	6.3	4.2	2.1	2.1	0.0	0.0	0.0
72.5°	414.3	33.6	12.6	6.3	4.2	4.2	2.1	2.1	0.0	0.0	0.0
75°	149.3	23.1	8.4	6.3	4.2	2.1	2.1	0.0	0.0	0.0	0.0
77.5°	46.3	16.8	6.3	4.2	2.1	2.1	2.1	0.0	0.0	0.0	0.0
80°	18.9	12.6	6.3	4.2	2.1	2.1	2.1	0.0	0.0	0.0	0.0
82.5°	10.5	8.4	4.2	4.2	2.1	2.1	2.1	0.0	0.0	0.0	0.0
85°	6.3	4.2	4.2	4.2	2.1	2.1	2.1	0.0	0.0	0.0	0.0
87.5°	2.1	2.1	2.1	2.1	2.1	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)