

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: P565401

Luminaire Tested: **IFLD-S-SA6A-AMB-U-T4W-HSS**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565401
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-AMB-U-T4W-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T4W distribution lens and House Side Shield
Light Source: (96) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

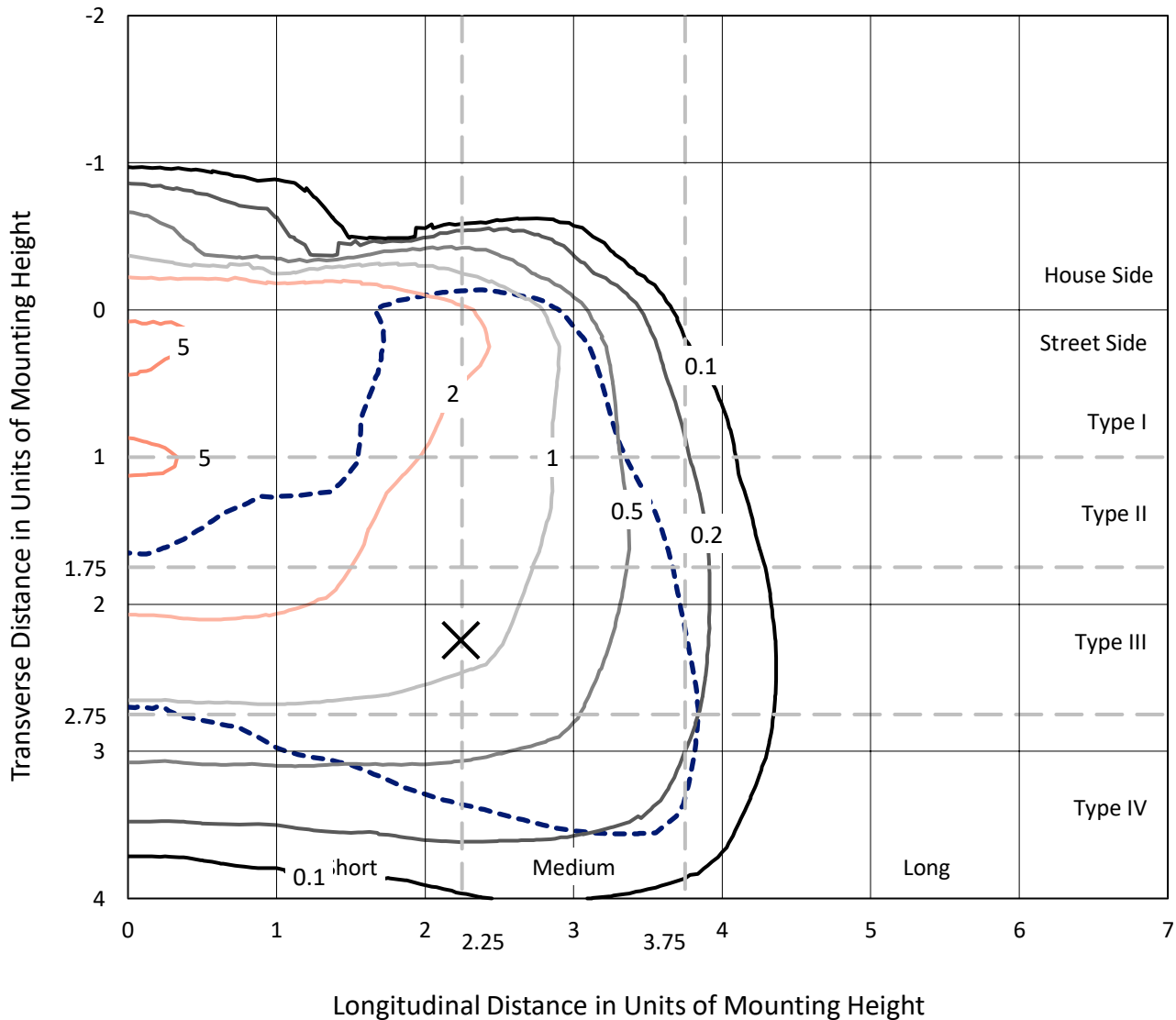
Lumens per Lamp: N/A
Luminaire Lumens: 4733.2 lumens
Efficiency: N/A
Efficacy: 38.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 122.4
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

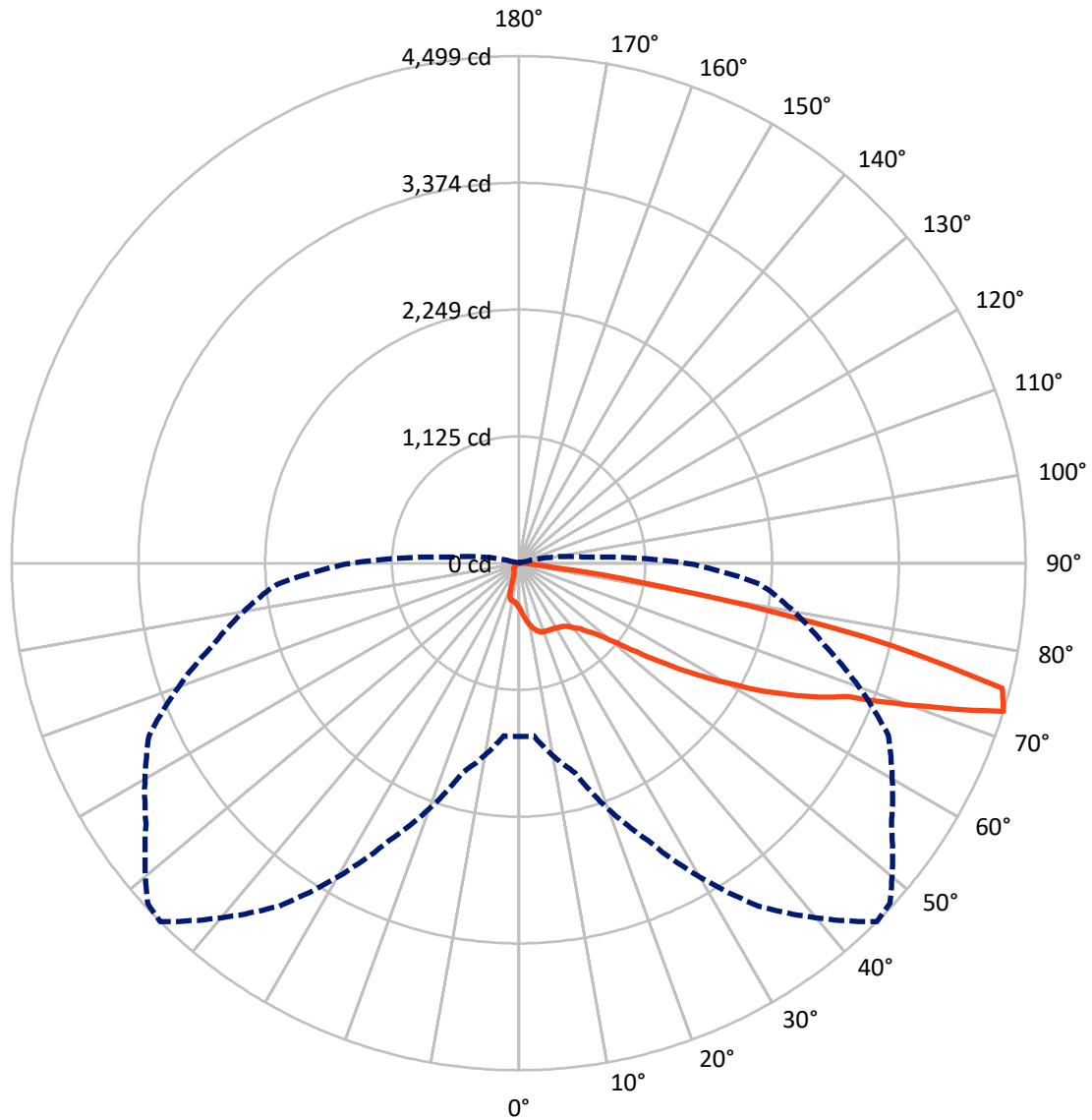
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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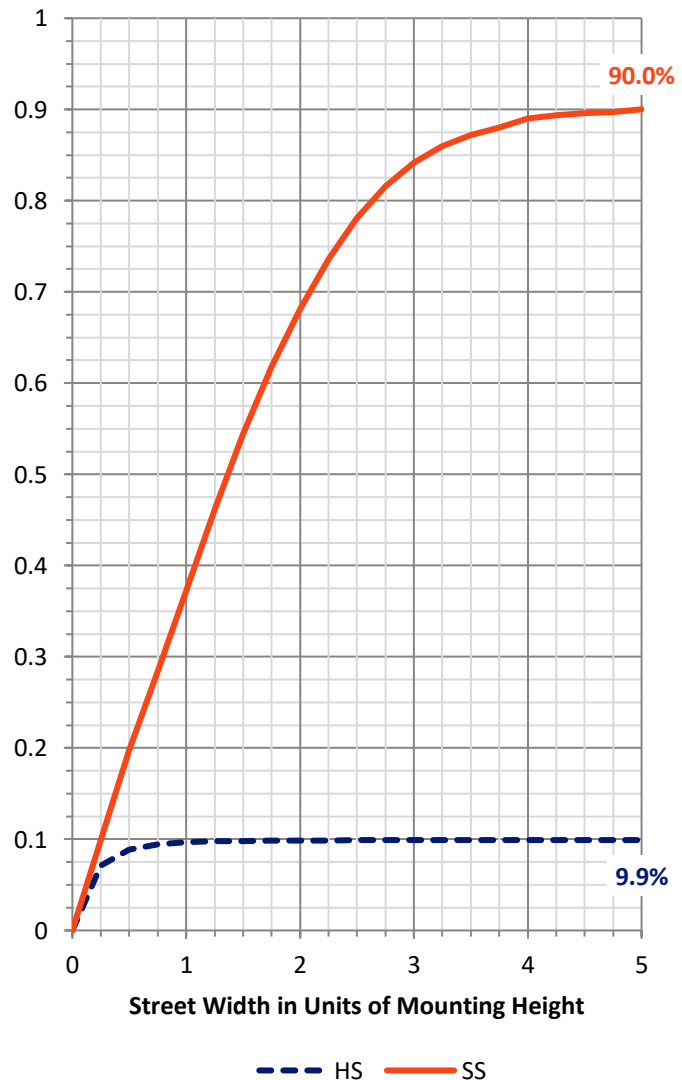
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	473.4	0.0	473.4
	% Fixture	10.0	0.0	10.0
Street Side	Lumens	4259.8	0.0	4259.8
	% Fixture	90.0	0.0	90.0
Total	Lumens	4733.2	0.0	4733.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	0.9
10°-20°	128.3	2.7
20°-30°	200.1	4.2
30°-40°	284.8	6.0
40°-50°	490.2	10.4
50°-60°	905.7	19.1
60°-70°	1521.3	32.1
70°-80°	1100.1	23.2
80°-90°	61.9	1.3
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°	4733.2	100.0
0°-180°	4733.2	100.0

Coefficient of Utilization

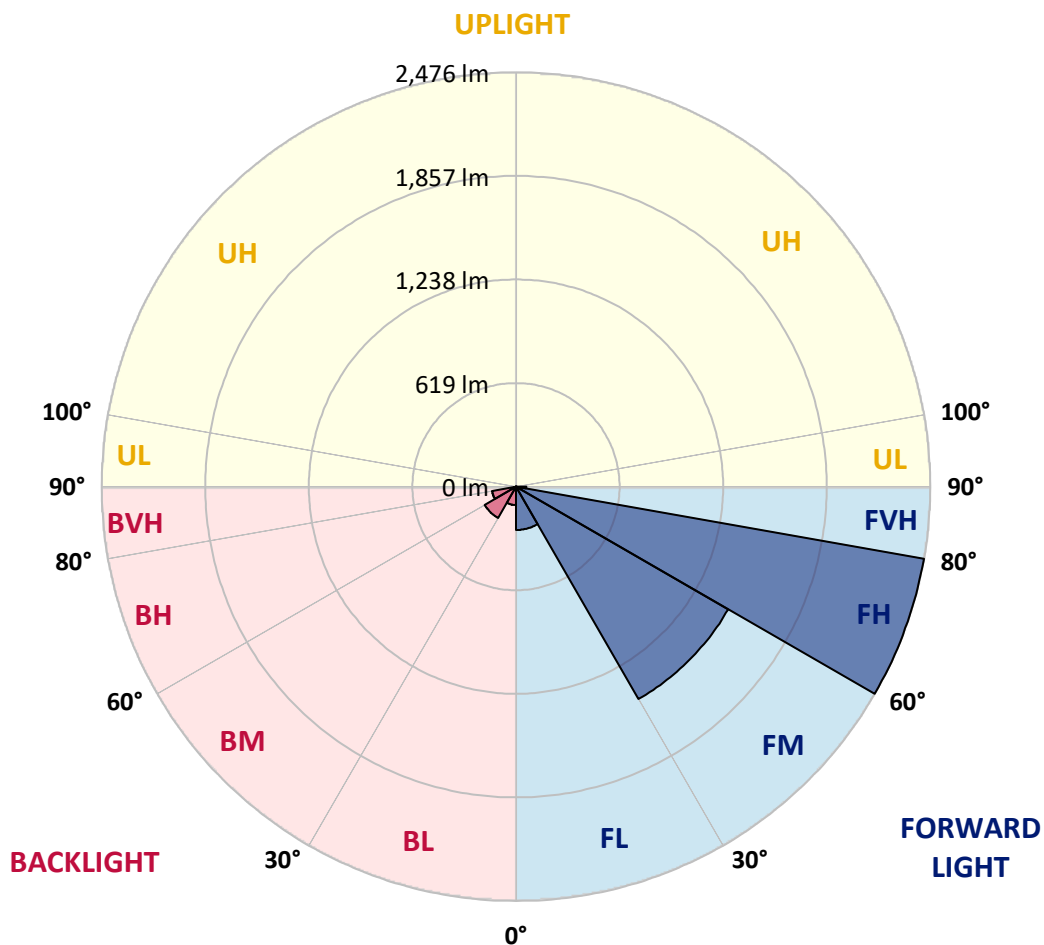


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.8	5.5			
FM (30°-60°)	1464.7	30.9			
FH (60°-80°)	2475.7	52.3			G2/5000
FVH (80°-90°)	60.6	1.3			G1/100
BL (0°-30°)	110.3	2.3	B1/500		
BM (30°-60°)	216.0	4.6	B0/220		
BH (60°-80°)	145.7	3.1	B1/500		G1/500
BVH (80°-90°)	1.3	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-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	391.9	391.9	391.9	391.9	391.9	391.9	391.9	391.9	391.9	391.9	391.9
2.5°	444.3	438.2	438.2	438.2	432.0	422.7	422.7	419.7	413.5	404.2	398.1
5°	521.5	512.2	509.1	499.9	484.5	469.0	465.9	453.6	438.2	419.7	404.2
7.5°	586.3	583.2	577.0	561.6	543.1	518.4	512.2	496.8	472.1	447.4	422.7
10°	638.7	635.7	626.4	607.9	583.2	561.6	555.4	540.0	512.2	481.4	450.5
12.5°	681.9	678.9	666.5	641.8	617.1	595.5	589.4	577.0	549.3	518.4	478.3
15°	706.6	706.6	694.3	663.4	638.7	623.3	620.2	607.9	583.2	549.3	506.1
17.5°	706.6	703.5	691.2	663.4	648.0	641.8	638.7	632.6	611.0	580.1	533.8
20°	675.8	675.8	672.7	654.2	644.9	648.0	648.0	648.0	632.6	604.8	555.4
22.5°	651.1	648.0	648.0	635.7	638.7	651.1	651.1	654.2	644.9	623.3	577.0
25°	638.7	635.7	638.7	626.4	632.6	654.2	657.3	663.4	657.3	638.7	595.5
27.5°	635.7	632.6	635.7	626.4	635.7	657.3	663.4	672.7	666.5	644.9	607.9
30°	641.8	635.7	638.7	629.5	641.8	666.5	669.6	685.0	678.9	660.3	632.6
32.5°	672.7	657.3	654.2	638.7	654.2	675.8	681.9	700.5	706.6	685.0	657.3
35°	743.7	703.5	681.9	663.4	672.7	688.1	694.3	725.1	743.7	715.9	681.9
37.5°	836.2	780.7	731.3	700.5	697.4	712.8	719.0	756.0	783.8	756.0	719.0
40°	1043.0	1012.1	916.4	768.3	731.3	752.9	759.1	796.1	845.5	802.3	765.3
42.5°	1345.4	1317.6	1206.5	959.6	780.7	793.0	799.2	842.4	901.0	867.1	823.9
45°	1604.6	1598.4	1502.7	1209.6	888.7	864.0	873.2	904.1	975.1	950.4	894.8
47.5°	1691.0	1691.0	1694.0	1475.0	1076.9	947.3	953.5	993.6	1076.9	1058.4	996.7
50°	1740.3	1743.4	1795.9	1700.2	1329.9	1095.4	1073.8	1107.8	1215.8	1206.5	1135.5
52.5°	1885.4	1891.5	1928.6	1897.7	1635.4	1305.2	1265.1	1259.0	1400.9	1416.3	1329.9
55°	2064.3	2048.9	2058.2	2101.4	1962.5	1567.5	1496.6	1459.5	1635.4	1691.0	1601.5
57.5°	2172.3	2160.0	2218.6	2323.5	2305.0	1863.8	1761.9	1706.4	1944.0	1990.3	1869.9
60°	2323.5	2308.1	2397.6	2548.8	2616.7	2181.6	2052.0	1999.5	2268.0	2246.4	2224.8
62.5°	2403.8	2419.2	2564.2	2755.5	2857.3	2530.3	2394.5	2345.1	2533.4	2530.3	2659.9
65°	2440.8	2459.3	2758.6	2953.0	3125.8	2857.3	2749.3	2632.1	2789.5	2814.1	3280.1
67.5°	2431.5	2459.3	2811.1	3236.9	3465.2	3159.7	3048.7	2916.0	3091.9	3156.7	3798.5
70°	2221.7	2231.0	2551.9	3261.6	3801.6	3801.6	3736.8	3496.1	3517.7	3301.7	3486.8
72.5°	1539.8	1539.8	1922.4	2715.4	3715.2	4498.9	4468.1	4039.2	3619.5	2808.0	2153.8
75°	521.5	540.0	848.6	1598.4	2980.8	4434.1	4446.5	3844.8	2875.9	1610.7	719.0
77.5°	111.1	114.2	200.6	515.3	1681.7	3135.1	3159.7	2508.7	1422.5	493.7	132.7
80°	49.4	52.5	77.1	151.2	503.0	1348.4	1407.1	1080.0	447.4	172.8	46.3
82.5°	18.5	21.6	40.1	80.2	212.9	314.7	336.3	293.1	179.0	126.5	24.7
85°	6.2	6.2	15.4	40.1	89.5	49.4	52.5	104.9	126.5	98.7	12.3
87.5°	0.0	0.0	6.2	12.3	18.5	12.3	12.3	21.6	64.8	71.0	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°	391.9	391.9	391.9	391.9	391.9	391.9	391.9	391.9	391.9	391.9	391.9
2.5°	395.0	391.9	385.7	379.5	373.4	367.2	364.1	364.1	361.0	361.0	361.0
5°	398.1	391.9	376.5	367.2	357.9	351.8	348.7	348.7	348.7	345.6	345.6
7.5°	410.4	401.1	379.5	364.1	351.8	342.5	336.3	333.3	333.3	333.3	336.3
10°	435.1	419.7	391.9	367.2	348.7	336.3	324.0	317.8	317.8	314.7	314.7
12.5°	459.8	438.2	404.2	373.4	351.8	333.3	305.5	271.5	249.9	237.6	234.5
15°	484.5	459.8	416.6	382.6	354.9	311.7	237.6	179.0	148.1	145.0	141.9
17.5°	509.1	481.4	432.0	391.9	342.5	240.7	148.1	117.3	114.2	123.4	123.4
20°	530.7	503.0	447.4	401.1	287.0	151.2	108.0	108.0	108.0	117.3	120.3
22.5°	552.3	524.6	462.9	391.9	206.7	108.0	101.8	104.9	104.9	114.2	114.2
25°	570.9	546.2	484.5	348.7	123.4	95.7	98.7	101.8	101.8	108.0	111.1
27.5°	586.3	567.8	506.1	280.8	92.6	89.5	92.6	95.7	95.7	101.8	104.9
30°	614.1	598.6	527.7	200.6	86.4	83.3	86.4	89.5	92.6	95.7	98.7
32.5°	644.9	632.6	530.7	123.4	83.3	80.2	77.1	80.2	86.4	89.5	92.6
35°	681.9	678.9	509.1	89.5	80.2	74.1	74.1	71.0	74.1	80.2	83.3
37.5°	725.1	728.2	465.9	83.3	77.1	71.0	67.9	64.8	61.7	64.8	64.8
40°	774.5	786.9	401.1	80.2	74.1	67.9	61.7	55.5	49.4	46.3	49.4
42.5°	848.6	864.0	317.8	77.1	74.1	64.8	55.5	46.3	37.0	33.9	33.9
45°	922.6	950.4	228.3	77.1	74.1	58.6	46.3	33.9	24.7	21.6	21.6
47.5°	1024.4	1049.1	141.9	77.1	77.1	52.5	37.0	24.7	18.5	15.4	15.4
50°	1178.7	1163.3	101.8	74.1	74.1	43.2	27.8	18.5	12.3	12.3	15.4
52.5°	1410.2	1311.4	86.4	71.0	71.0	37.0	18.5	15.4	12.3	12.3	12.3
55°	1749.6	1465.7	80.2	64.8	58.6	27.8	15.4	12.3	9.3	9.3	9.3
57.5°	2036.6	1570.6	67.9	55.5	40.1	21.6	15.4	12.3	9.3	6.2	6.2
60°	2397.6	1660.1	52.5	43.2	27.8	18.5	15.4	12.3	9.3	6.2	6.2
62.5°	2770.9	1731.1	37.0	30.9	21.6	15.4	12.3	9.3	6.2	3.1	3.1
65°	3141.2	1780.4	27.8	21.6	15.4	12.3	9.3	6.2	6.2	3.1	3.1
67.5°	3286.3	1684.8	24.7	18.5	12.3	12.3	9.3	6.2	3.1	3.1	0.0
70°	2737.0	1237.4	21.6	15.4	12.3	9.3	6.2	3.1	3.1	0.0	0.0
72.5°	1487.3	598.6	18.5	15.4	9.3	6.2	6.2	3.1	3.1	0.0	0.0
75°	425.8	126.5	15.4	12.3	9.3	6.2	3.1	3.1	3.1	0.0	0.0
77.5°	83.3	30.9	12.3	9.3	6.2	3.1	3.1	3.1	0.0	0.0	0.0
80°	37.0	18.5	9.3	6.2	6.2	3.1	3.1	0.0	0.0	0.0	0.0
82.5°	18.5	12.3	9.3	6.2	6.2	3.1	3.1	0.0	0.0	0.0	0.0
85°	6.2	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	3.1	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)