

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: P484272

Luminaire Tested: **IFLD-L-SA8C-722-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484272
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-722-U-SL3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield
Light Source: (128) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

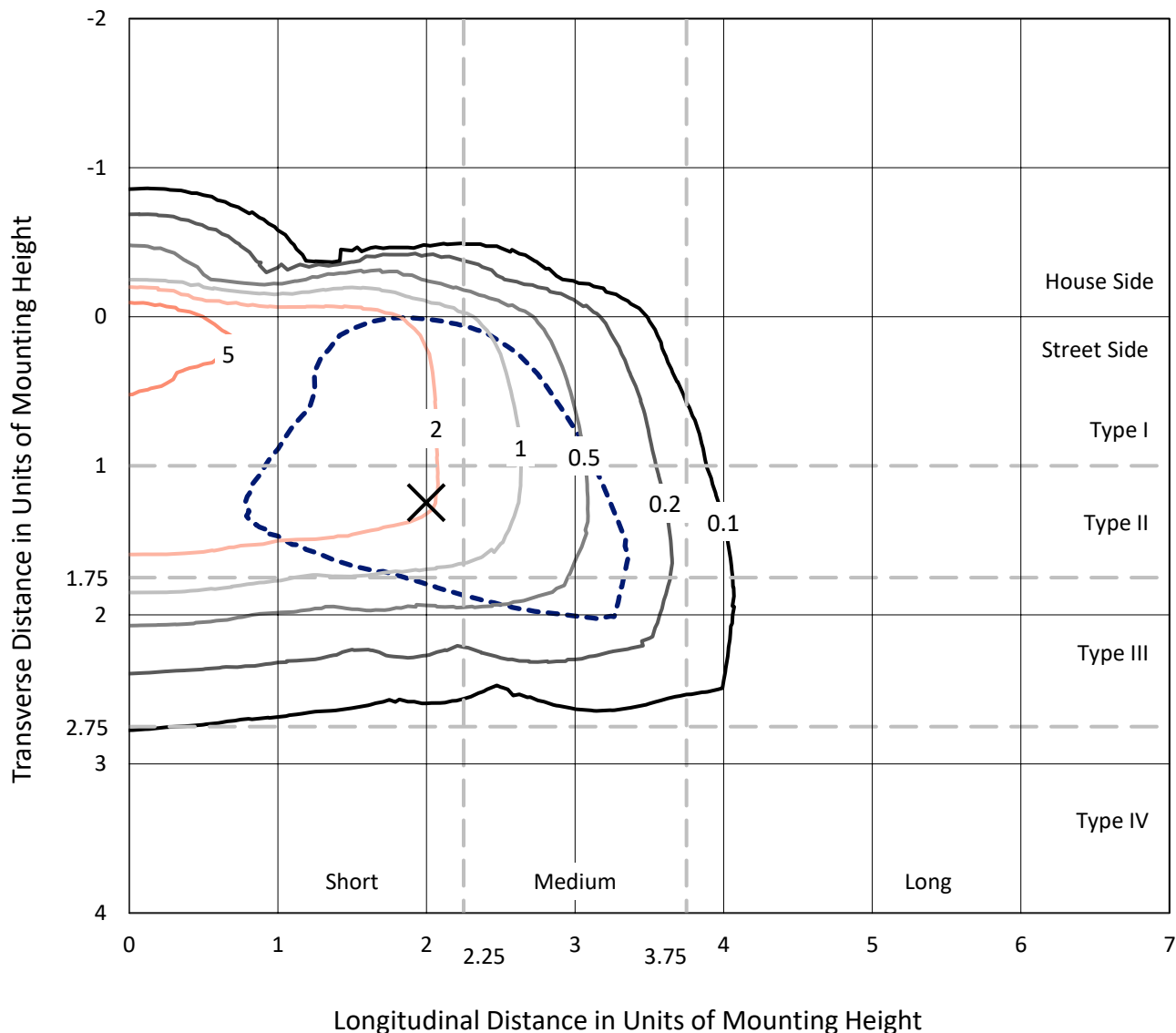
Lumens per Lamp: N/A
Luminaire Lumens: 31209.8 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 420.3
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: P484272
 CATALOG NUMBER: IFLD-L-SA8C-722-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

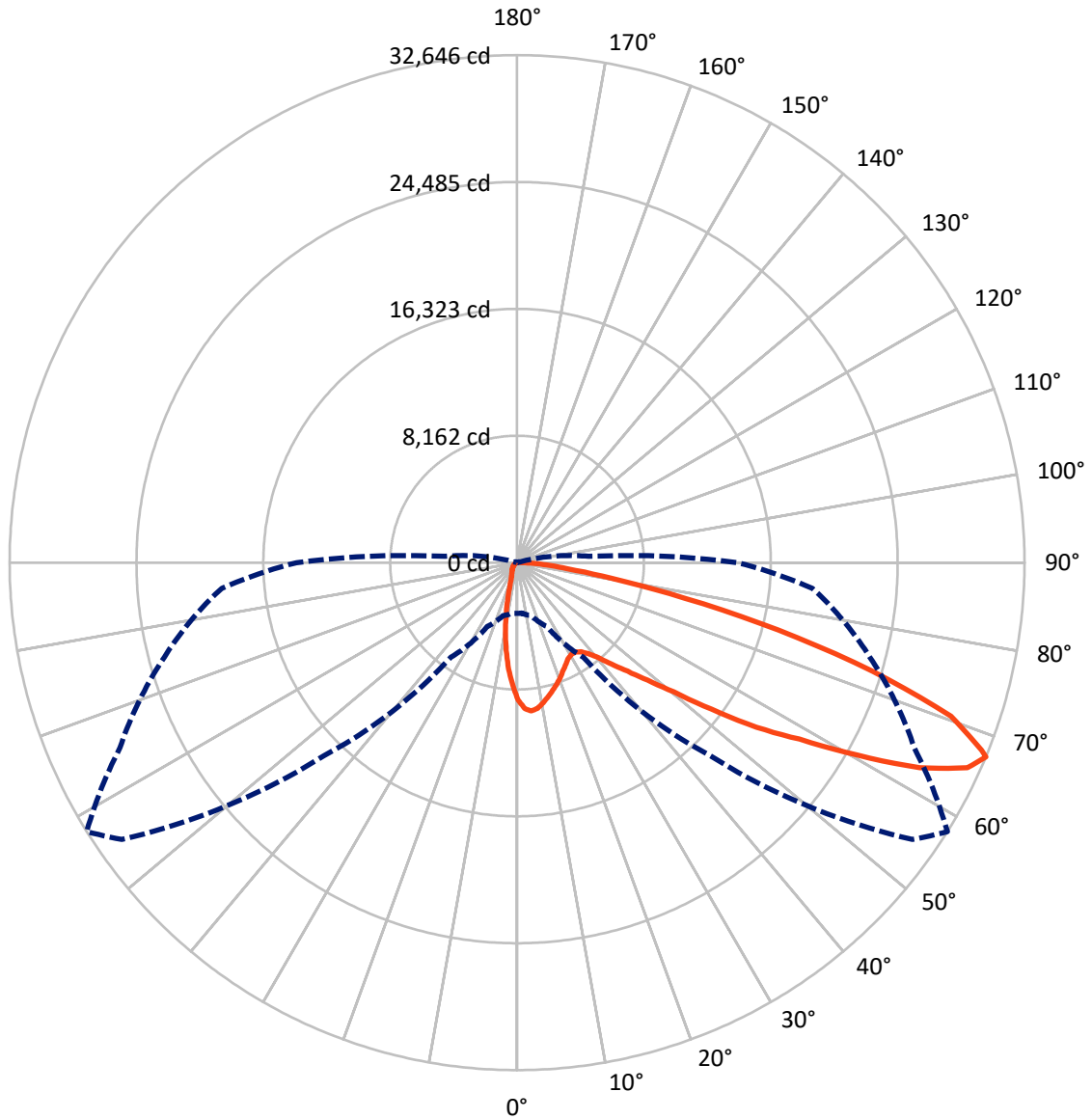
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.8 fc
 Type III - Short - N/A

REPORT NUMBER: P484272
CATALOG NUMBER: IFLD-L-SA8C-722-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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 CATALOG NUMBER: IFLD-L-SA8C-722-U-SL3-HSS

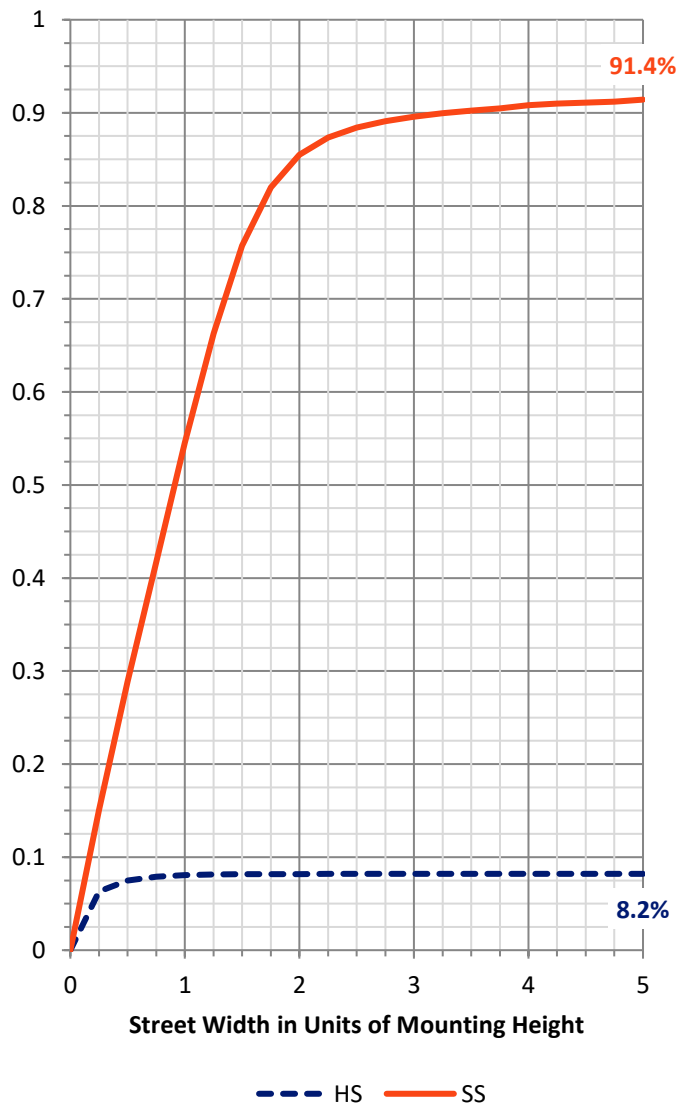
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2579.7	0.0	2579.7
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	28630.1	0.0	28630.1
	% Fixture	91.7	0.0	91.7
Total	Lumens	31209.8	0.0	31209.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	701.6	2.2
10°-20°	1455.2	4.7
20°-30°	1930.8	6.2
30°-40°	2675.4	8.6
40°-50°	4365.5	14.0
50°-60°	7673.1	24.6
60°-70°	8498.6	27.2
70°-80°	3521.8	11.3
80°-90°	387.7	1.2
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°	31209.8	100.0
0°-180°	31209.8	100.0

Coefficient of Utilization



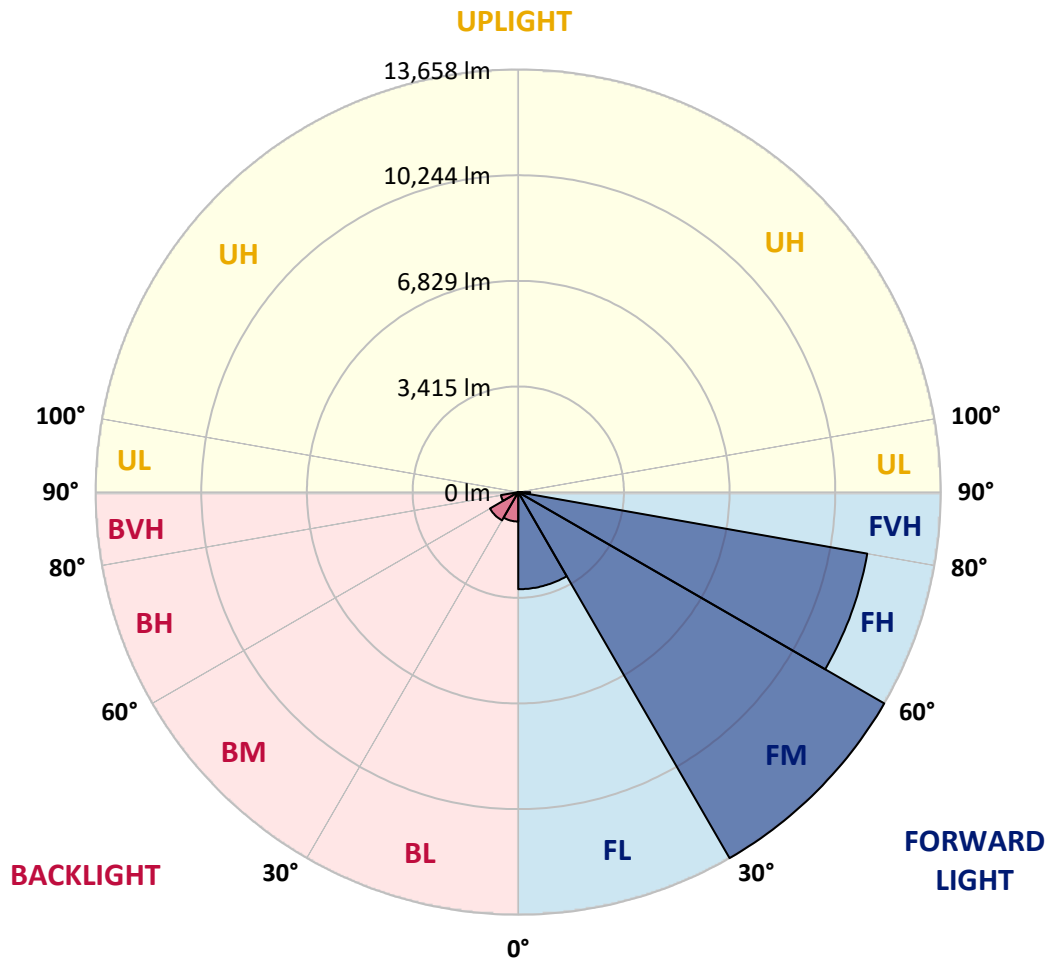
REPORT NUMBER: P484272
 CATALOG NUMBER: IFLD-L-SA8C-722-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3137.5	10.1			
FM	(30°-60°)	13658.0	43.8			
FH	(60°-80°)	11453.3	36.7			G4/12000
FVH	(80°-90°)	381.3	1.2			G3/500
BL	(0°-30°)	950.1	3.0	B2/1000		
BM	(30°-60°)	1056.0	3.4	B2/2500		
BH	(60°-80°)	567.2	1.8	B2/1000		G2/1000
BVH	(80°-90°)	6.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short





REPORT NUMBER: P484272

CATALOG NUMBER: IFLD-L-SA8C-722-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	8842.2	8842.2	8842.2	8842.2	8842.2	8842.2	8842.2	8842.2	8842.2	8842.2	8842.2
2.5°	9621.1	9654.3	9683.3	9629.4	9675.0	9608.7	9438.8	9401.5	9372.5	9119.8	8974.7
5°	9617.0	9579.7	9608.7	9633.6	9571.4	9621.1	9579.7	9583.8	9472.0	9244.1	8838.0
7.5°	8974.7	8958.2	8974.7	9094.9	9231.6	9339.4	9401.5	9463.7	9389.1	9049.3	8655.7
10°	8108.8	8191.6	8237.2	8452.7	8664.0	8862.9	9057.6	9173.6	9152.9	9016.2	8456.8
12.5°	7503.8	7479.0	7644.7	7785.6	7996.9	8398.8	8738.6	8846.3	8970.6	8780.0	8195.8
15°	6944.4	6878.2	6977.6	7222.1	7582.5	7901.6	8378.1	8539.7	8697.1	8746.9	8054.9
17.5°	6409.9	6443.1	6546.7	6766.3	7106.0	7553.5	8001.0	8233.1	8610.1	8543.8	7843.6
20°	6153.0	6223.5	6260.8	6372.6	6608.8	7056.3	7723.4	7909.9	8311.8	8539.7	7636.4
22.5°	6165.5	6165.5	6078.5	6144.8	6360.2	6708.3	7346.4	7553.5	8191.6	8324.2	7449.9
25°	6298.1	6215.2	6219.3	6140.6	6231.8	6422.4	7006.6	7259.4	7947.2	8344.9	7350.5
27.5°	6397.5	6380.9	6356.1	6335.4	6219.3	6248.3	6782.9	6990.0	7851.9	8320.1	7197.2
30°	6758.0	6683.4	6658.5	6613.0	6459.7	6318.8	6604.7	6865.7	7777.3	8378.1	7110.2
32.5°	7060.5	7072.9	7093.6	6961.0	6828.4	6480.4	6654.4	6861.6	7723.4	8510.7	7197.2
35°	7441.7	7495.5	7503.8	7462.4	7321.5	6977.6	6861.6	7039.7	7814.6	8746.9	7205.5
37.5°	8021.7	7963.7	8121.2	8137.8	8038.3	7582.5	7342.2	7412.7	8083.9	9123.9	7520.4
40°	8398.8	8469.2	8763.4	8945.7	8775.9	8361.5	8038.3	8025.9	8473.4	9716.4	7909.9
42.5°	8817.3	8974.7	9297.9	9691.6	9670.8	9285.5	8958.2	8904.3	9165.3	10574.1	8527.3
45°	9389.1	9530.0	9981.6	10574.1	10897.3	10570.0	10076.9	9969.2	10006.5	11742.6	9579.7
47.5°	10337.9	10300.7	10951.2	11535.4	12065.8	11813.0	11601.7	11286.8	11257.8	13118.2	11034.0
50°	11411.1	11402.8	11982.9	12645.9	13259.1	13752.2	13400.0	13056.1	13064.3	14986.9	12745.3
52.5°	12430.4	12592.0	13217.7	13876.5	14928.9	15459.3	15799.0	15662.3	15003.5	16656.7	14576.7
55°	12969.0	13109.9	13731.4	14866.8	16528.3	17891.5	18811.3	18695.3	17423.3	18537.9	16383.3
57.5°	12459.4	12554.7	13395.8	14883.3	17647.0	20688.3	21570.9	21425.9	19925.9	19975.6	18566.9
60°	10325.5	10474.7	11726.0	13470.4	17212.0	22842.9	25370.4	25150.8	22204.8	21794.6	19971.5
62.5°	7151.6	7251.1	8278.6	10449.8	15148.5	23592.9	28958.7	29078.8	24608.0	23211.7	20390.0
65°	4632.4	4624.1	5212.5	6683.4	10735.7	21322.3	31080.1	31826.0	26928.4	23427.2	20261.5
67°	3273.3	3260.9	3538.5	4533.0	7433.4	17568.3	31042.8	32646.4	28188.0	23489.3	19072.4
67.5°	3020.6	3008.2	3273.3	4168.3	6708.3	16337.7	30578.8	32223.7	28631.3	23402.3	18550.3
70°	2345.2	2312.1	2411.5	2871.4	3907.3	10565.8	26170.1	29600.9	27711.5	21231.1	14812.9
72.5°	1694.7	1732.0	1889.4	2357.6	3066.2	5684.8	19946.6	23936.8	23145.4	16002.1	9414.0
75°	1180.9	1214.0	1466.8	1922.6	2813.4	3447.4	13487.0	17361.1	16122.2	8833.9	4010.9
77.5°	617.4	658.8	936.4	1537.2	2556.5	2668.4	8059.0	11009.2	8543.8	3144.9	1106.3
80°	285.9	306.6	468.2	1089.7	2138.0	2345.2	4698.7	6124.0	3418.4	704.4	381.2
82.5°	124.3	136.7	215.5	625.7	1516.5	2051.0	2908.7	3211.2	1238.9	227.9	236.2
85°	24.9	29.0	82.9	331.5	733.4	1243.0	2042.7	1906.0	621.5	111.9	186.5
87.5°	0.0	0.0	20.7	95.3	198.9	368.8	866.0	866.0	190.6	58.0	70.4
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°	8842.2	8842.2	8842.2	8842.2	8842.2	8842.2	8842.2	8842.2	8842.2	8842.2	8842.2
2.5°	8846.3	8697.1	8369.8	8067.3	7851.9	7607.4	7284.2	7139.2	7085.3	7010.7	6898.9
5°	8614.3	8432.0	7872.6	7309.1	6691.7	6223.5	5726.3	5436.2	5216.6	5079.9	5034.3
7.5°	8286.9	7914.0	7159.9	6256.6	5456.9	4760.8	4006.7	3497.1	3169.8	3037.2	2912.9
10°	8025.9	7541.1	6393.4	5270.5	4205.6	3186.3	2336.9	1889.4	1549.7	1421.2	1404.6
12.5°	7686.1	7106.0	5676.5	4263.6	2925.3	1897.7	1292.8	1122.9	1027.6	1011.0	998.6
15°	7404.4	6712.4	4997.0	3302.3	1893.6	1185.0	1006.9	965.4	940.6	932.3	936.4
17.5°	7213.8	6289.8	4300.9	2403.2	1247.2	969.6	928.1	903.3	890.8	886.7	874.3
20°	6836.7	5933.4	3613.1	1682.2	973.7	895.0	861.8	841.1	828.7	824.5	820.4
22.5°	6621.3	5481.8	2925.3	1172.6	866.0	812.1	787.3	770.7	750.0	737.5	733.4
25°	6405.8	5150.3	2312.1	911.6	787.3	750.0	712.7	692.0	658.8	642.2	638.1
27.5°	6153.0	4823.0	1781.7	791.4	708.5	671.2	634.0	600.8	559.4	542.8	534.5
30°	6008.0	4503.9	1342.5	708.5	650.5	600.8	555.2	513.8	468.2	439.2	430.9
32.5°	5933.4	4213.9	1006.9	646.4	588.4	534.5	476.5	426.8	385.3	360.5	356.3
35°	5842.3	3932.1	791.4	588.4	530.4	472.4	414.3	364.6	323.2	302.5	294.2
37.5°	5937.6	3766.4	658.8	542.8	484.8	418.5	356.3	306.6	273.5	252.8	248.6
40°	6198.6	3629.7	571.8	501.4	439.2	368.8	310.8	261.0	232.0	215.5	207.2
42.5°	6600.5	3629.7	517.9	459.9	397.8	323.2	265.2	227.9	198.9	182.3	178.2
45°	7329.8	3741.5	472.4	418.5	348.1	277.6	227.9	190.6	161.6	145.0	140.9
47.5°	8353.2	3998.4	435.1	381.2	310.8	244.5	198.9	161.6	132.6	116.0	111.9
50°	9728.9	4582.7	397.8	335.6	277.6	211.3	165.7	128.4	103.6	87.0	82.9
52.5°	11444.2	5411.4	360.5	310.8	236.2	178.2	132.6	103.6	78.7	66.3	62.2
55°	13259.1	6426.5	314.9	277.6	203.0	149.2	107.7	78.7	58.0	49.7	45.6
57.5°	15086.4	7209.6	277.6	240.3	165.7	120.2	87.0	62.2	41.4	33.1	29.0
60°	16055.9	7284.2	240.3	198.9	132.6	95.3	66.3	45.6	29.0	20.7	16.6
62.5°	16205.1	6621.3	207.2	161.6	107.7	74.6	45.6	33.1	16.6	8.3	8.3
65°	15438.6	5519.1	178.2	128.4	82.9	53.9	33.1	20.7	8.3	4.1	0.0
67°	14195.5	4624.1	153.3	107.7	66.3	41.4	24.9	12.4	4.1	0.0	0.0
67.5°	13714.9	4375.5	145.0	99.4	62.2	37.3	20.7	12.4	4.1	0.0	0.0
70°	10644.6	3124.2	107.7	70.4	45.6	29.0	16.6	8.3	0.0	0.0	0.0
72.5°	6521.8	1827.3	82.9	49.7	33.1	20.7	12.4	4.1	0.0	0.0	0.0
75°	2734.7	629.8	70.4	37.3	24.9	12.4	8.3	4.1	0.0	0.0	0.0
77.5°	712.7	236.2	49.7	24.9	16.6	12.4	8.3	4.1	0.0	0.0	0.0
80°	290.0	107.7	33.1	16.6	16.6	12.4	8.3	4.1	0.0	0.0	0.0
82.5°	190.6	49.7	20.7	16.6	12.4	8.3	4.1	0.0	0.0	0.0	0.0
85°	145.0	29.0	12.4	12.4	8.3	4.1	0.0	0.0	0.0	0.0	0.0
87.5°	62.2	16.6	12.4	8.3	8.3	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)