

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: P480537

Luminaire Tested: **IFLD-S-SA3C-750-U-SL3**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480537
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-750-U-SL3
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

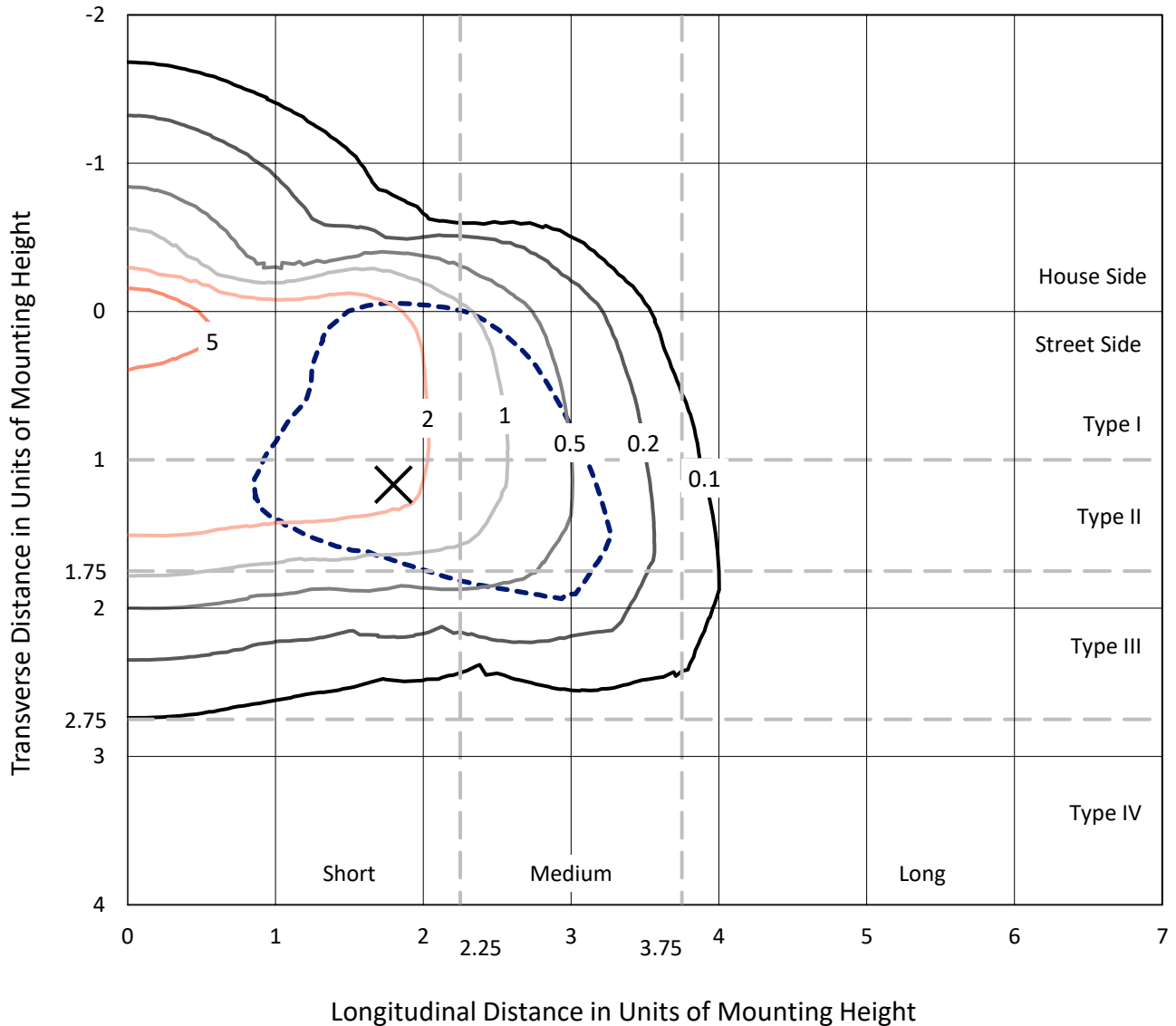
Lumens per Lamp: N/A
Luminaire Lumens: 21379.4 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 160.8
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

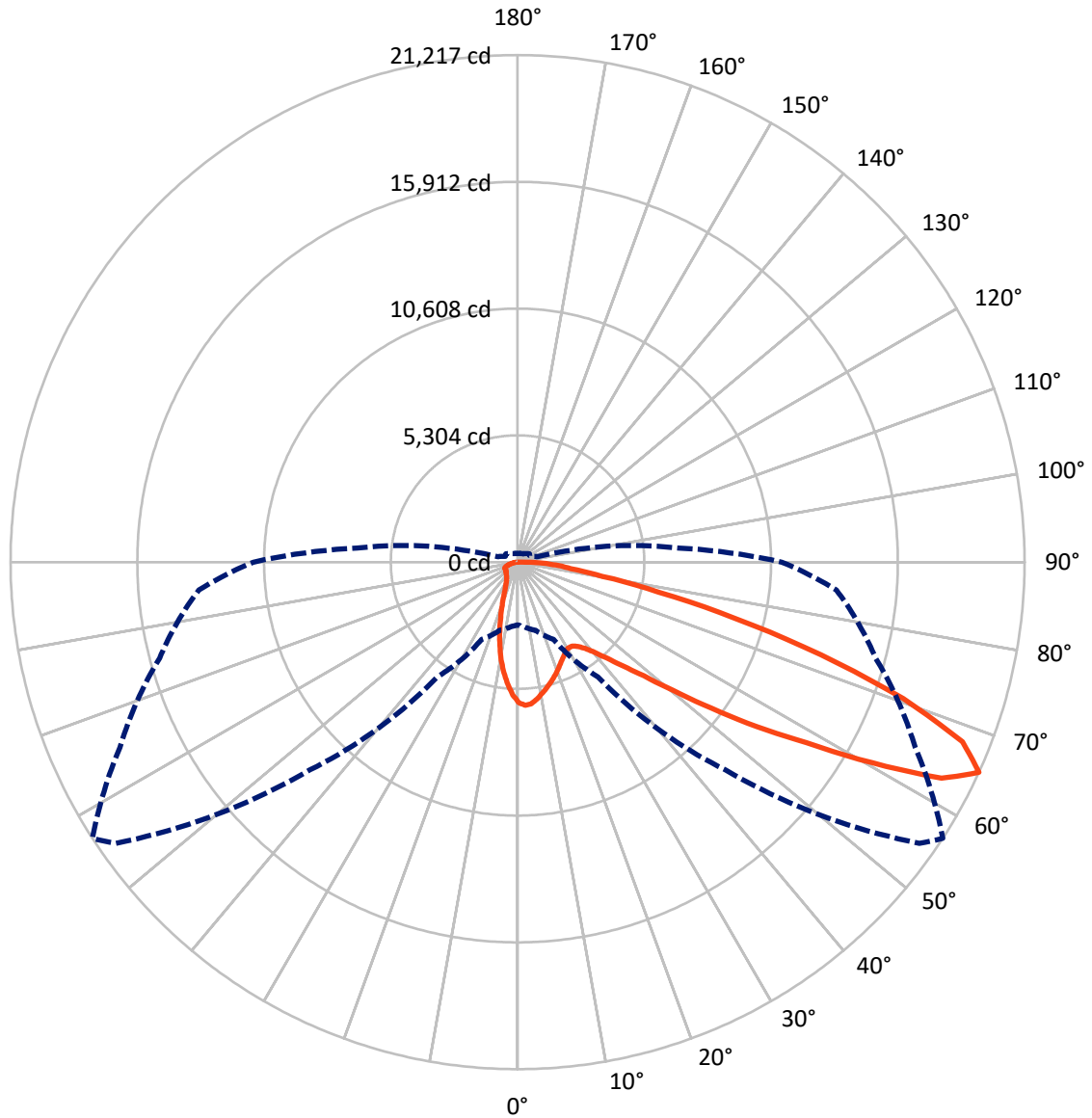
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3278.7	0.0	3278.7
	% Fixture	15.3	0.0	15.3
Street Side	Lumens	18100.7	0.0	18100.7
	% Fixture	84.7	0.0	84.7
Total	Lumens	21379.4	0.0	21379.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.3	2.3
10°-20°	1059.6	5.0
20°-30°	1369.9	6.4
30°-40°	1843.5	8.6
40°-50°	2939.5	13.7
50°-60°	5191.8	24.3
60°-70°	5711.7	26.7
70°-80°	2389.3	11.2
80°-90°	381.9	1.8
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°	21379.4	100.0
0°-180°	21379.4	100.0

Coefficient of Utilization



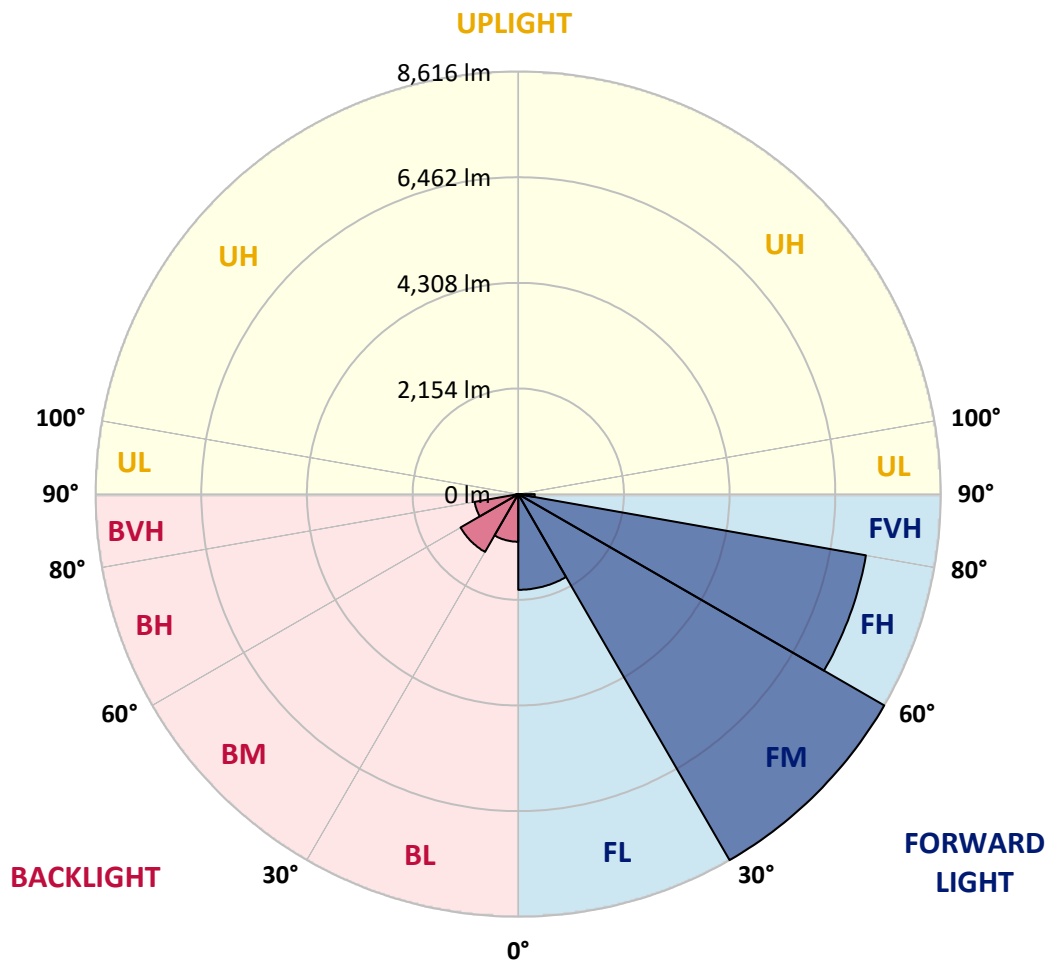
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1950.8	9.1			
FM (30°-60°)	8615.9	40.3			
FH (60°-80°)	7197.0	33.7			G3/7500
FVH (80°-90°)	337.1	1.6			G3/500
BL (0°-30°)	971.0	4.5	B2/1000		
BM (30°-60°)	1358.9	6.4	B2/2500		
BH (60°-80°)	904.1	4.2	B2/1000		G2/1000
BVH (80°-90°)	44.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	5879.0	5879.0	5879.0	5879.0	5879.0	5879.0	5879.0	5879.0	5879.0	5879.0	5879.0
2.5°	6037.8	6047.4	6047.4	6066.7	6001.7	6033.0	6028.2	5999.3	6008.9	5958.4	5907.9
5°	5867.0	5859.8	5898.3	5903.1	5953.6	5968.0	5980.1	5960.8	5965.6	5855.0	5806.9
7.5°	5429.2	5426.8	5491.8	5547.1	5652.9	5751.6	5816.5	5797.3	5823.7	5754.0	5640.9
10°	4909.6	4965.0	5032.3	5087.6	5282.5	5407.6	5575.9	5592.8	5693.8	5677.0	5472.5
12.5°	4519.9	4544.0	4594.5	4753.3	4931.3	5138.1	5378.7	5400.3	5499.0	5547.1	5369.1
15°	4200.0	4221.7	4286.6	4404.5	4604.1	4849.5	5155.0	5210.3	5407.6	5424.4	5234.4
17.5°	3966.7	3983.5	4026.8	4144.7	4308.3	4623.4	4912.0	5010.7	5270.5	5352.2	5094.8
20°	3875.3	3839.2	3863.2	3937.8	4101.4	4344.3	4717.2	4803.8	5135.7	5296.9	4962.5
22.5°	3834.4	3803.1	3817.5	3812.7	3942.6	4115.8	4507.9	4599.3	5008.3	5232.0	4844.7
25°	3865.6	3865.6	3851.2	3839.2	3853.6	3966.7	4281.8	4423.7	4837.5	5176.6	4724.4
27.5°	4034.0	3969.1	3976.3	3925.8	3911.3	3911.3	4180.8	4265.0	4782.1	5145.4	4625.8
30°	4142.3	4173.5	4175.9	4101.4	4026.8	3892.1	4086.9	4168.7	4736.4	5183.9	4568.0
32.5°	4418.9	4404.5	4363.6	4349.1	4238.5	4086.9	4132.6	4188.0	4710.0	5270.5	4584.9
35°	4695.5	4688.3	4690.7	4683.5	4568.0	4344.3	4255.3	4329.9	4758.1	5422.0	4642.6
37.5°	4981.8	5001.0	5082.8	5082.8	4960.1	4717.2	4599.3	4577.7	4933.7	5669.8	4779.7
40°	5268.0	5316.2	5419.6	5583.2	5410.0	5183.9	4993.8	4960.1	5145.4	6001.7	5109.3
42.5°	5542.3	5621.7	5826.1	6069.1	6011.3	5785.2	5532.6	5494.2	5580.8	6494.8	5568.7
45°	5893.5	5960.8	6283.2	6656.0	6735.4	6535.7	6239.9	6208.6	6203.8	7216.5	6201.4
47.5°	6427.5	6499.7	6822.0	7197.3	7442.6	7473.9	7141.9	7108.3	6992.8	8190.7	7127.5
50°	7096.2	7214.1	7485.9	7923.7	8279.7	8614.1	8520.3	8421.7	8195.5	9323.7	8301.4
52.5°	7584.5	7728.9	8096.9	8657.4	9285.2	9816.8	10153.6	10153.6	9634.0	10567.4	9713.4
55°	7714.4	7801.0	8265.3	9076.0	10151.2	11495.9	12200.7	12147.8	11346.7	11876.0	11356.4
57.5°	7197.3	7310.3	7873.2	8722.3	10605.8	13066.7	14233.3	14245.4	13218.2	13396.2	12977.7
60°	5773.2	5809.3	6473.2	7608.6	10168.0	14332.0	17009.3	17055.0	15347.1	14750.5	13802.8
62.5°	3990.7	4106.2	4606.5	5602.4	8424.1	14190.0	19686.6	19912.7	17052.6	15465.0	13932.7
65°	2626.8	2696.6	2963.6	3569.8	5864.6	12299.3	20518.9	21216.5	18356.4	15505.9	13389.0
67.5°	1905.2	1917.2	1996.6	2309.3	3524.1	8845.0	19097.3	20081.1	18844.7	15164.3	12114.1
70°	1539.5	1549.1	1578.0	1777.7	2275.6	5535.1	15575.6	17117.5	17379.7	13545.4	9756.7
72.5°	1250.9	1262.9	1299.0	1486.6	1876.3	3079.0	11390.0	13268.7	14137.1	10021.3	6485.2
75°	983.8	993.5	1080.1	1265.3	1763.2	2114.4	7555.7	9395.9	9513.8	5857.4	3035.7
77.5°	673.5	690.4	796.2	1072.9	1659.8	1849.8	4710.0	6018.6	5400.3	2292.4	1044.0
80°	428.2	452.2	514.8	813.1	1467.4	1765.6	2929.9	3593.8	2364.6	784.2	502.7
82.5°	252.6	276.6	339.2	526.8	1152.2	1638.1	2063.9	2249.1	1108.9	401.7	303.1
85°	139.5	156.4	204.5	317.5	675.9	1455.3	1652.6	1614.1	635.1	214.1	190.0
87.5°	45.7	52.9	74.6	127.5	279.0	685.6	991.1	930.9	329.6	98.6	74.6
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°	5879.0	5879.0	5879.0	5879.0	5879.0	5879.0	5879.0	5879.0	5879.0	5879.0	5879.0
2.5°	5874.2	5867.0	5758.8	5677.0	5537.5	5422.0	5376.3	5313.7	5311.3	5265.6	5253.6
5°	5732.3	5657.7	5491.8	5333.0	5085.2	4919.2	4767.7	4661.9	4618.6	4524.7	4503.1
7.5°	5549.5	5450.9	5195.9	4897.6	4606.5	4346.7	4111.0	3875.3	3743.0	3697.3	3646.7
10°	5359.5	5186.3	4808.6	4474.2	4067.7	3668.4	3297.9	2966.0	2785.6	2658.1	2602.8
12.5°	5207.9	4977.0	4495.9	3995.5	3459.1	2925.1	2494.5	2145.7	1941.2	1845.0	1801.7
15°	5037.1	4731.6	4154.3	3521.7	2852.9	2246.7	1825.8	1551.5	1469.8	1424.1	1416.8
17.5°	4856.7	4503.1	3783.9	3055.0	2261.2	1691.1	1419.2	1308.6	1272.5	1253.3	1243.6
20°	4688.3	4298.6	3403.8	2535.4	1770.4	1356.7	1229.2	1171.5	1169.1	1178.7	1176.3
22.5°	4450.2	4031.6	3028.5	2054.3	1414.4	1181.1	1099.3	1084.9	1099.3	1111.3	1116.2
25°	4315.5	3812.7	2610.0	1630.9	1169.1	1048.8	1022.3	1017.5	1039.2	1053.6	1051.2
27.5°	4175.9	3586.6	2220.3	1306.2	1024.7	955.0	950.2	955.0	976.6	998.3	995.9
30°	4067.7	3406.2	1854.6	1092.1	914.1	887.6	882.8	887.6	899.7	902.1	902.1
32.5°	3978.7	3192.1	1544.3	947.8	846.7	825.1	829.9	827.5	829.9	832.3	834.7
35°	3925.8	3064.6	1289.3	858.8	791.4	774.6	772.2	764.9	767.4	769.8	767.4
37.5°	4038.8	3002.1	1087.3	796.2	752.9	738.5	733.7	728.9	721.6	721.6	721.6
40°	4209.6	2968.4	964.6	755.3	724.1	707.2	692.8	688.0	688.0	690.4	692.8
42.5°	4548.8	3023.7	880.4	724.1	688.0	668.7	654.3	656.7	663.9	671.1	666.3
45°	5039.5	3192.1	841.9	700.0	666.3	639.9	630.2	627.8	635.1	647.1	656.7
47.5°	5681.8	3454.3	827.5	678.4	651.9	615.8	603.8	611.0	620.6	637.5	630.2
50°	6733.0	4043.6	839.5	659.1	630.2	603.8	589.3	582.1	589.3	601.4	606.2
52.5°	8106.5	5114.1	885.2	649.5	615.8	594.2	570.1	558.1	565.3	574.9	574.9
55°	9749.5	6576.6	1012.7	637.5	591.8	579.7	553.3	529.2	534.0	534.0	531.6
57.5°	11197.6	7680.8	1164.3	620.6	577.3	560.5	526.8	497.9	493.1	495.5	497.9
60°	11847.1	7974.2	1236.4	615.8	577.3	536.4	490.7	461.9	454.6	449.8	449.8
62.5°	11734.0	7466.7	1089.7	594.2	591.8	517.2	457.0	425.8	416.2	406.5	408.9
65°	11050.9	6742.6	858.8	565.3	594.2	505.2	423.4	392.1	375.3	363.2	360.8
67.5°	9802.4	5756.4	680.8	543.6	570.1	483.5	394.5	358.4	344.0	332.0	327.1
70°	7668.7	4512.7	591.8	514.8	512.4	430.6	360.8	329.6	307.9	293.5	293.5
72.5°	4972.2	2852.9	507.6	457.0	442.6	360.8	312.7	293.5	276.6	264.6	264.6
75°	2251.5	1325.4	408.9	382.5	360.8	288.7	264.6	255.0	240.5	228.5	228.5
77.5°	808.2	565.3	305.5	300.7	269.4	223.7	214.1	206.9	197.3	185.2	185.2
80°	452.2	358.4	228.5	218.9	187.6	166.0	154.0	154.0	149.1	141.9	139.5
82.5°	286.3	233.3	168.4	146.7	122.7	110.7	105.8	103.4	101.0	91.4	89.0
85°	180.4	158.8	110.7	86.6	72.2	55.3	52.9	50.5	45.7	40.9	40.9
87.5°	81.8	91.4	43.3	26.5	19.2	12.0	7.2	2.4	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)