

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: P484061

Luminaire Tested: **IFLD-S-SA6B-750-U-SL2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484061
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-750-U-SL2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield
Light Source: (96) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

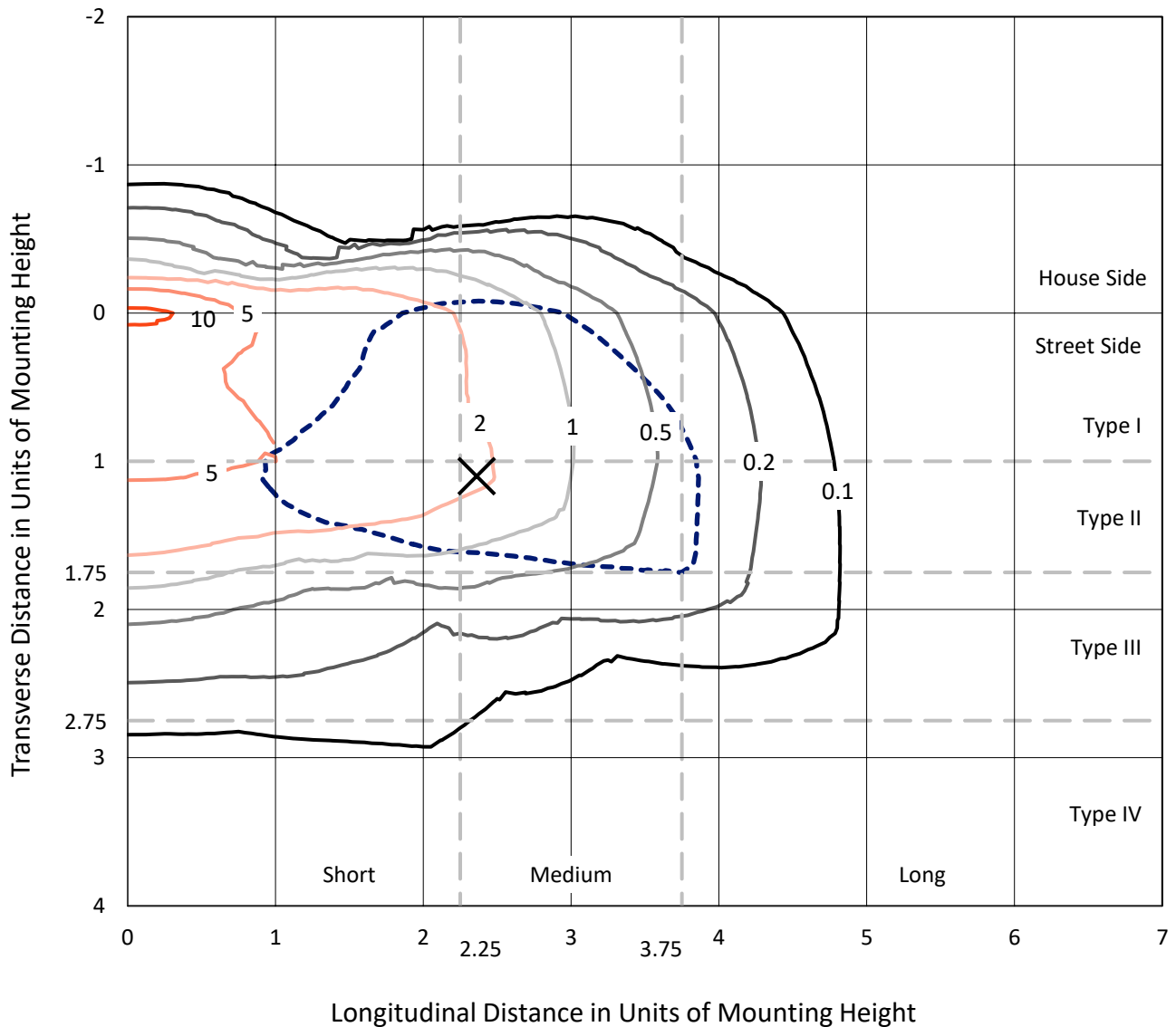
Lumens per Lamp: N/A
Luminaire Lumens: 28102.4 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 244.9
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

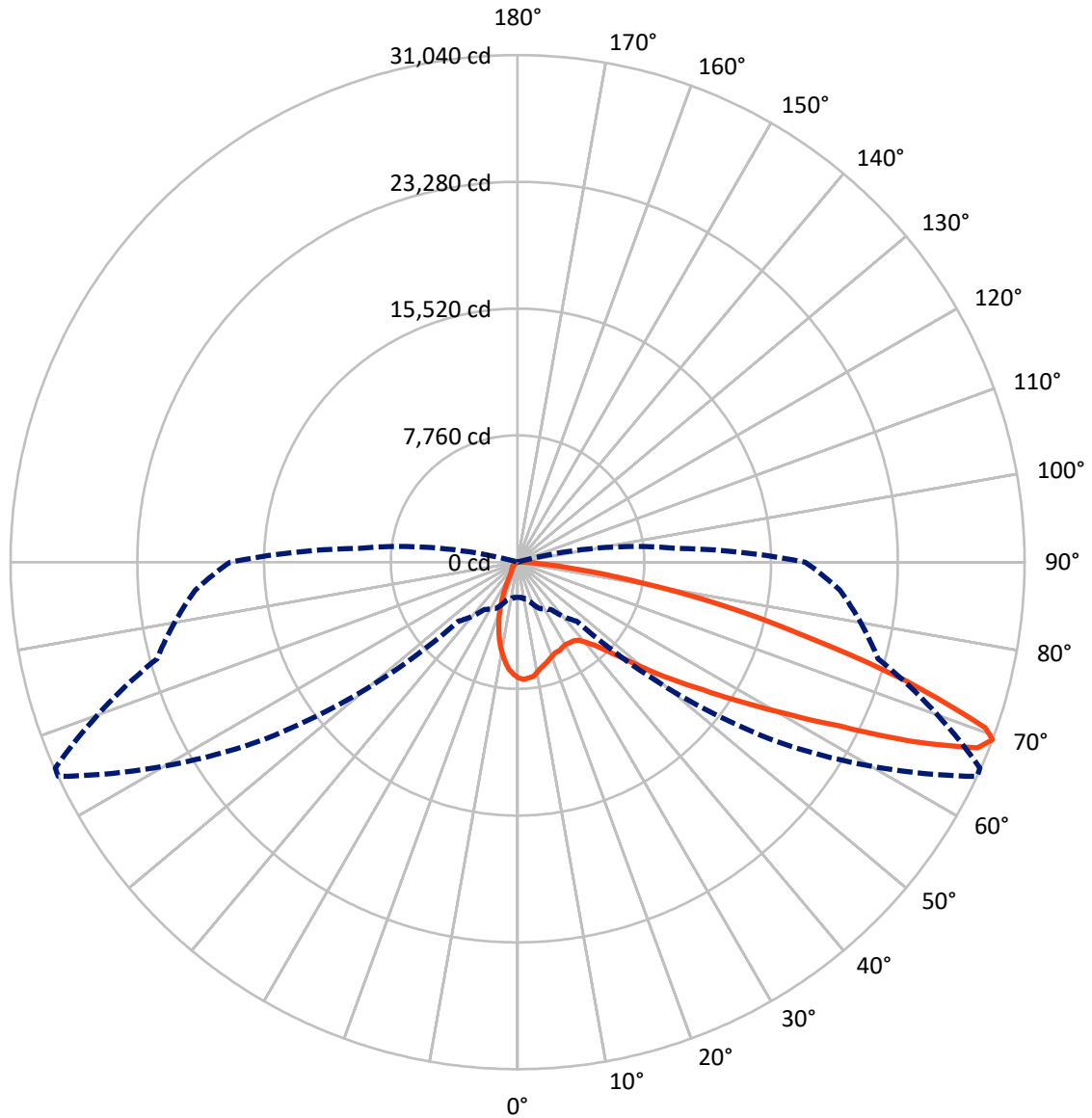
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3409.0	0.0	3409.0
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	24693.4	0.0	24693.4
	% Fixture	87.9	0.0	87.9
Total	Lumens	28102.4	0.0	28102.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	579.8	2.1
10°-20°	1268.6	4.5
20°-30°	1766.2	6.3
30°-40°	2502.8	8.9
40°-50°	3944.4	14.0
50°-60°	6400.4	22.8
60°-70°	7148.0	25.4
70°-80°	4025.1	14.3
80°-90°	467.1	1.7
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°	28102.4	100.0
0°-180°	28102.4	100.0

Coefficient of Utilization



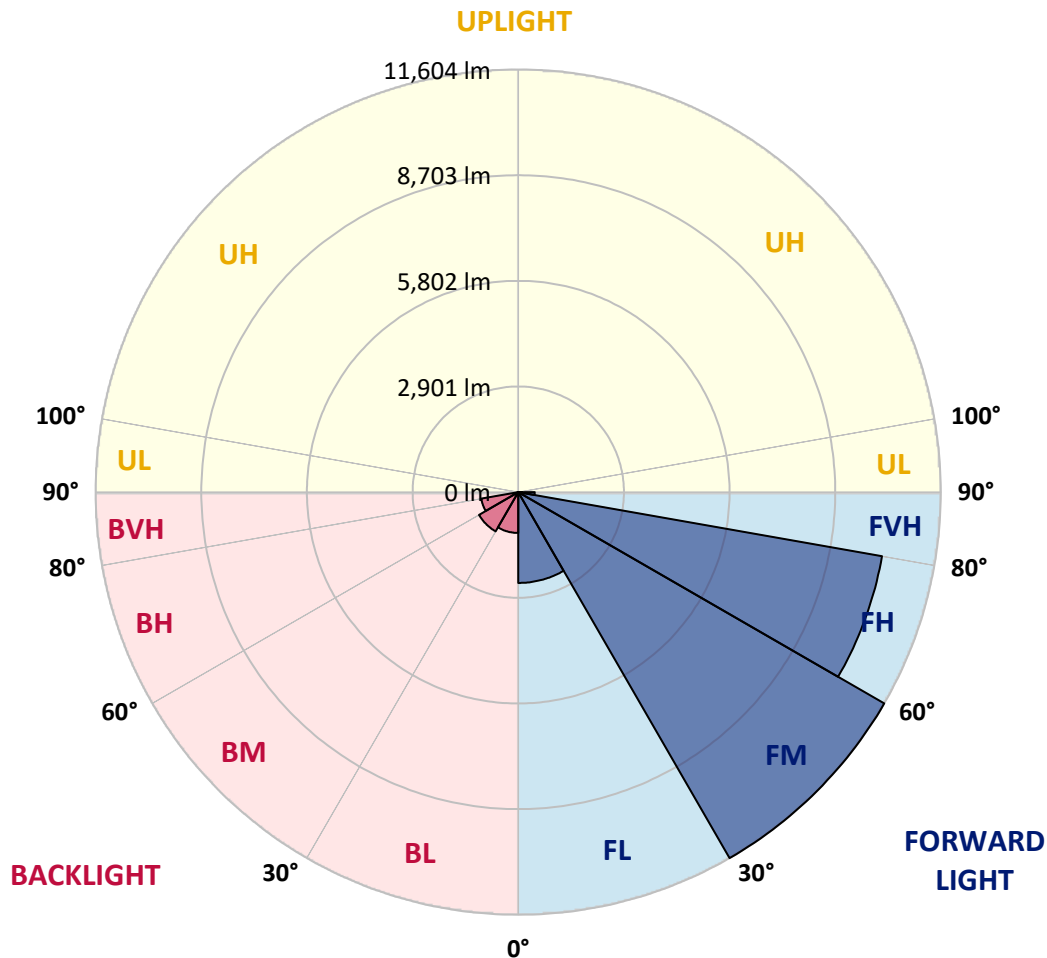
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2493.8	8.9			
FM (30°-60°)	11603.7	41.3			
FH (60°-80°)	10141.7	36.1			G4/12000
FVH (80°-90°)	454.2	1.6			G3/500
BL (0°-30°)	1120.8	4.0	B3/2500		
BM (30°-60°)	1243.9	4.4	B2/2500		
BH (60°-80°)	1031.4	3.7	B3/2500		G3/2500
BVH (80°-90°)	12.9	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	7085.3	7085.3	7085.3	7085.3	7085.3	7085.3	7085.3	7085.3	7085.3	7085.3	7085.3
2.5°	6823.7	6876.8	6891.9	6945.0	6971.5	7085.3	7149.7	7187.6	7168.7	7210.4	7214.1
5°	6338.4	6308.1	6387.7	6444.6	6565.9	6763.0	6963.9	7119.4	7191.4	7259.6	7248.3
7.5°	5819.1	5803.9	5883.5	6012.4	6122.4	6361.2	6683.4	7066.3	7051.1	7217.9	7267.2
10°	5462.7	5477.9	5504.4	5633.3	5796.3	6039.0	6440.8	6797.1	6876.8	7229.3	7327.9
12.5°	5136.7	5163.3	5212.5	5345.2	5534.8	5785.0	6175.4	6592.4	6713.7	7164.9	7362.0
15°	5030.6	4969.9	5068.5	5167.0	5364.2	5587.8	5917.6	6437.0	6490.1	7089.0	7418.9
17.5°	4943.4	4905.5	4951.0	5030.6	5239.1	5421.0	5731.9	6270.2	6368.8	7058.7	7411.3
20°	4969.9	4935.8	4954.8	5015.4	5110.2	5280.8	5568.9	6111.0	6217.1	6918.5	7399.9
22.5°	5045.7	5072.3	5038.2	5053.3	5083.6	5170.8	5481.7	5997.3	6088.2	6891.9	7464.4
25°	5386.9	5341.4	5295.9	5277.0	5098.8	5136.7	5455.2	5989.7	6054.1	6797.1	7411.3
27.5°	5743.3	5705.4	5686.4	5576.5	5333.8	5220.1	5458.9	5883.5	5970.7	6759.2	7346.8
30°	6175.4	6224.7	6148.9	6016.2	5678.8	5398.3	5500.6	5830.5	5951.8	6615.2	7305.1
32.5°	6630.3	6656.9	6694.8	6596.2	6160.3	5667.4	5625.7	5879.7	5887.3	6615.2	7210.4
35°	7145.9	7108.0	7206.6	7214.1	6831.3	6145.1	5864.6	5913.9	5993.5	6584.9	7176.2
37.5°	7589.5	7653.9	7767.6	7949.6	7555.3	6819.9	6236.1	6073.1	6107.2	6725.1	7202.8
40°	8074.7	8139.1	8396.9	8578.9	8355.2	7578.1	6800.9	6444.6	6471.1	6933.6	7339.2
42.5°	8609.2	8734.3	9041.4	9359.8	9299.2	8541.0	7528.8	6990.5	6979.1	7453.0	7619.8
45°	9333.3	9500.1	9833.7	10201.4	10254.5	9644.1	8499.3	7805.5	7843.4	8131.6	8199.8
47.5°	10341.7	10334.1	10660.1	11069.5	11376.6	10789.0	9659.3	8901.1	8897.3	9204.4	9060.3
50°	11315.9	11319.7	11406.9	11880.8	12676.9	12377.4	11096.1	10356.8	10315.1	10466.8	10235.5
52.5°	11767.1	11714.0	11649.5	12222.0	13677.7	14379.0	12915.7	12005.9	11971.8	11880.8	11820.1
55°	11293.2	11312.1	11308.4	11903.5	14204.6	16490.6	15250.9	13821.7	13764.9	13480.6	13564.0
57.5°	9773.0	9712.4	9845.1	10773.8	13601.9	17931.1	18590.7	16111.5	15963.6	15019.7	14830.1
60°	7274.8	7293.8	7403.7	8499.3	12104.5	18234.4	21786.5	18799.2	18162.4	16103.9	15842.3
62.5°	5079.9	5041.9	5083.6	5697.8	8654.7	17021.3	23947.3	22067.0	21452.9	17335.9	17184.3
65°	3635.5	3586.2	3753.0	4128.3	5197.4	13014.3	24254.4	26419.0	25869.3	19303.4	18939.5
67.5°	2615.7	2608.2	2801.5	3483.9	3692.4	7494.7	21979.8	30361.6	30028.0	21638.7	20008.6
69°	2164.6	2168.4	2354.2	3119.9	3525.6	5117.8	18913.0	31040.2	30979.5	22844.2	19807.6
70°	1887.9	1903.0	2119.1	2903.9	3457.3	4207.9	16304.8	30373.0	30312.3	23079.2	19144.2
72.5°	1163.8	1175.2	1459.5	2327.6	3286.7	3434.6	9750.3	24849.6	25058.1	22002.6	16494.4
75°	557.3	561.1	765.8	1683.2	3169.2	3256.4	5223.9	18336.8	18776.5	17764.3	12889.2
77.5°	295.7	295.7	367.7	894.7	2566.5	3063.1	3101.0	12934.7	13298.6	11232.5	7327.9
80°	147.8	151.6	223.7	466.3	1592.2	3002.4	2422.4	7714.6	7911.7	4583.2	2282.1
82.5°	56.9	60.7	106.1	280.5	826.4	2536.1	2126.7	3794.7	3745.4	1072.8	557.3
85°	7.6	7.6	37.9	166.8	352.6	1118.3	1755.2	1584.6	1531.5	235.0	269.2
87.5°	0.0	0.0	7.6	49.3	106.1	326.0	678.6	436.0	485.2	64.4	132.7
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°	7085.3	7085.3	7085.3	7085.3	7085.3	7085.3	7085.3	7085.3	7085.3	7085.3	7085.3
2.5°	7195.2	7115.6	6994.3	6876.8	6751.7	6600.0	6433.2	6372.6	6266.4	6258.8	6319.5
5°	7187.6	7058.7	6846.4	6596.2	6239.9	5970.7	5678.8	5466.5	5303.5	5197.4	5223.9
7.5°	7225.5	7070.1	6702.4	6164.1	5705.4	5170.8	4719.7	4408.9	4124.5	3984.3	3969.1
10°	7164.9	6956.4	6418.1	5663.7	4988.9	4242.1	3582.4	3165.4	2740.8	2585.4	2593.0
12.5°	7199.0	6907.1	6111.0	5148.1	4219.3	3248.8	2460.3	1891.7	1493.6	1364.7	1349.6
15°	7221.7	6800.9	5815.3	4530.2	3366.4	2213.9	1425.4	1072.8	947.7	925.0	921.2
17.5°	7134.5	6672.0	5398.3	3919.8	2494.4	1345.8	947.7	875.7	853.0	837.8	830.2
20°	7130.7	6596.2	5038.2	3294.3	1664.2	917.4	818.8	792.3	758.2	746.8	746.8
22.5°	7066.3	6437.0	4606.0	2608.2	1061.5	788.5	735.4	693.7	655.8	640.7	636.9
25°	7047.3	6251.3	4200.4	1959.9	807.5	705.1	652.0	591.4	545.9	523.1	511.8
27.5°	6994.3	6092.0	3790.9	1379.9	705.1	629.3	561.1	496.6	443.5	409.4	405.6
30°	6804.7	5925.2	3336.0	955.3	640.7	557.3	481.4	405.6	352.6	329.8	322.2
32.5°	6725.1	5769.8	2839.4	735.4	583.8	492.8	405.6	337.4	295.7	272.9	269.2
35°	6630.3	5542.3	2358.0	640.7	530.7	428.4	341.2	284.3	250.2	231.2	231.2
37.5°	6641.7	5360.4	1906.8	580.0	473.9	367.7	291.9	242.6	212.3	193.3	193.3
40°	6607.6	5216.3	1482.3	526.9	420.8	314.6	246.4	204.7	178.2	159.2	155.4
42.5°	6763.0	5178.4	1118.3	481.4	367.7	269.2	212.3	174.4	147.8	125.1	125.1
45°	7024.6	5239.1	871.9	439.7	314.6	231.2	182.0	144.1	117.5	102.4	98.6
47.5°	7722.1	5477.9	682.4	405.6	269.2	200.9	151.6	117.5	94.8	79.6	75.8
50°	8734.3	6012.4	580.0	356.3	227.5	170.6	125.1	91.0	75.8	60.7	56.9
52.5°	10174.9	6910.9	526.9	314.6	189.5	140.3	98.6	72.0	56.9	45.5	41.7
55°	11744.3	8033.0	477.7	265.4	159.2	113.7	79.6	56.9	41.7	30.3	26.5
57.5°	12968.8	9003.5	436.0	219.9	128.9	91.0	60.7	41.7	30.3	19.0	15.2
60°	14307.0	9685.8	382.9	174.4	106.1	68.2	45.5	30.3	22.7	11.4	11.4
62.5°	15686.9	10485.7	314.6	136.5	83.4	53.1	34.1	22.7	15.2	3.8	3.8
65°	17605.1	11111.2	242.6	106.1	64.4	37.9	26.5	19.0	7.6	0.0	0.0
67.5°	18147.2	10804.2	178.2	83.4	45.5	26.5	19.0	11.4	3.8	0.0	0.0
69°	17605.1	9731.3	155.4	72.0	37.9	22.7	15.2	7.6	3.8	0.0	0.0
70°	16615.7	8897.3	136.5	60.7	34.1	22.7	11.4	7.6	3.8	0.0	0.0
72.5°	13897.6	6823.7	106.1	45.5	26.5	19.0	11.4	7.6	0.0	0.0	0.0
75°	10193.8	4215.5	79.6	34.1	22.7	15.2	11.4	7.6	0.0	0.0	0.0
77.5°	5462.7	1539.1	56.9	22.7	15.2	11.4	11.4	7.6	0.0	0.0	0.0
80°	1497.4	454.9	41.7	15.2	11.4	7.6	7.6	3.8	0.0	0.0	0.0
82.5°	409.4	117.5	26.5	15.2	11.4	7.6	3.8	0.0	0.0	0.0	0.0
85°	219.9	45.5	15.2	11.4	7.6	3.8	0.0	0.0	0.0	0.0	0.0
87.5°	113.7	15.2	11.4	7.6	7.6	3.8	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)