

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: P484451

Luminaire Tested: **IFLD-S-SA6B-750-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484451
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-SL3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield
Light Source: (96) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

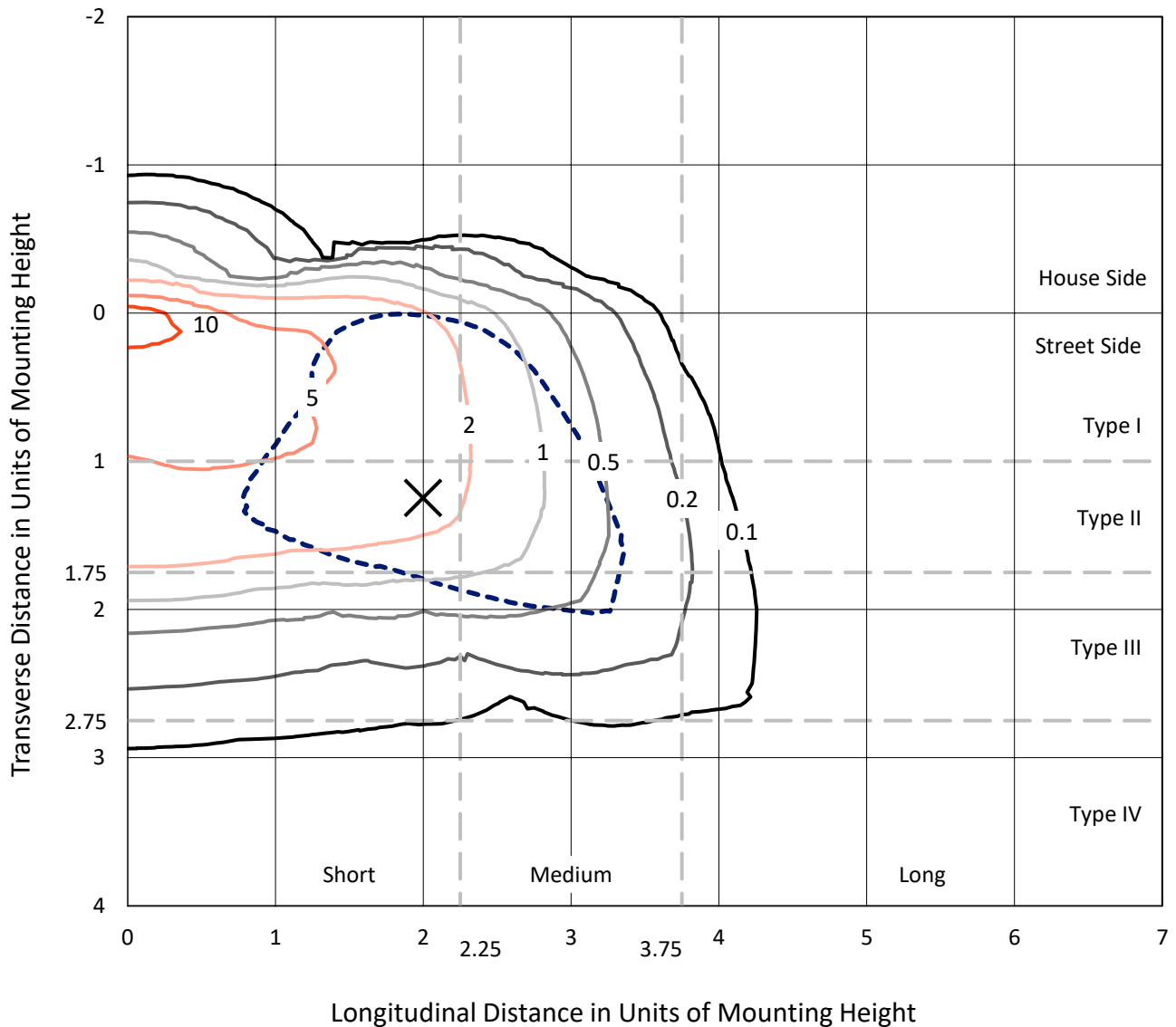
Lumens per Lamp: N/A
Luminaire Lumens: 28554.5 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 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

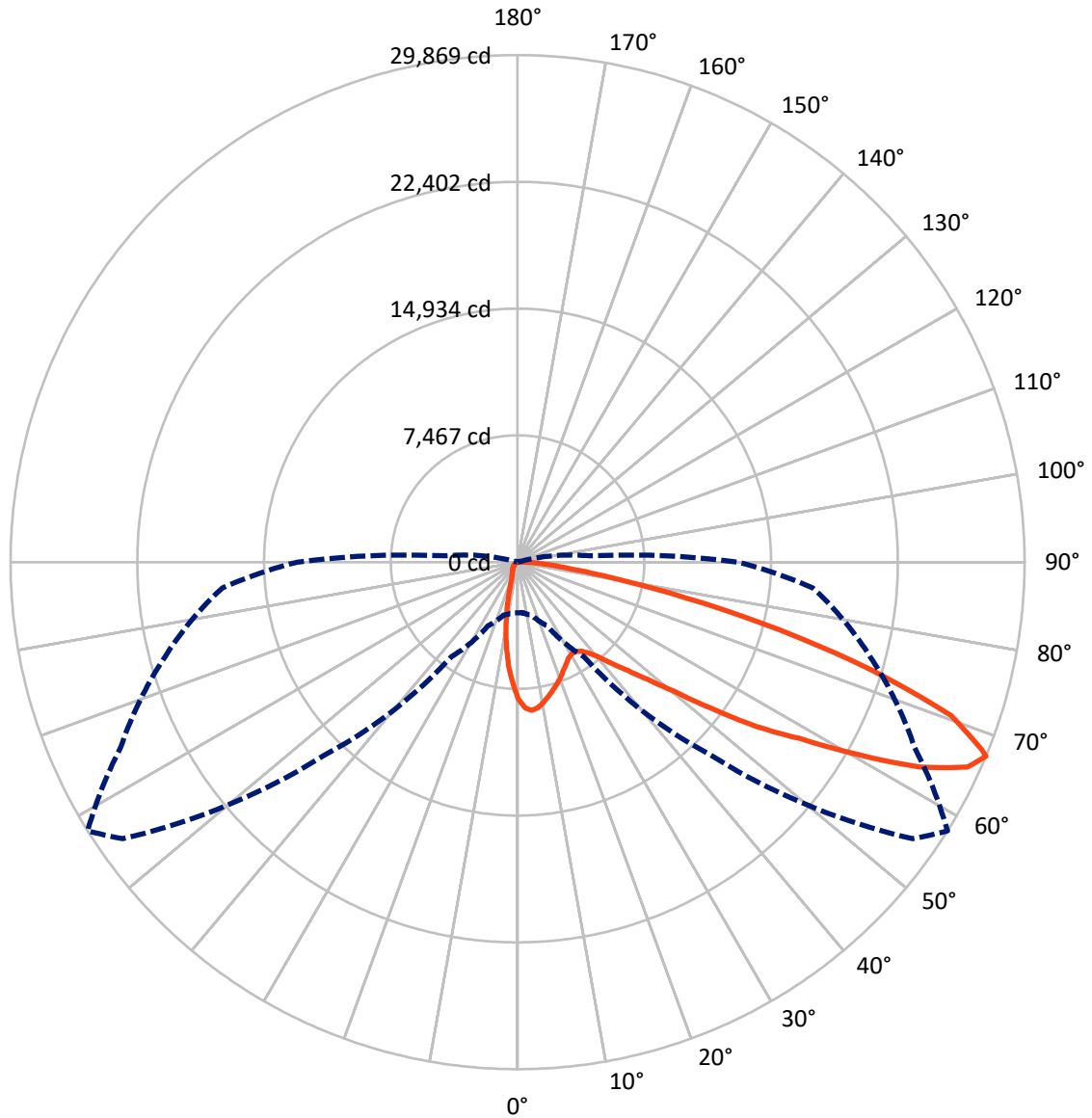
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2360.2	0.0	2360.2
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	26194.3	0.0	26194.3
	% Fixture	91.7	0.0	91.7
Total	Lumens	28554.5	0.0	28554.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.9	2.2
10°-20°	1331.4	4.7
20°-30°	1766.5	6.2
30°-40°	2447.8	8.6
40°-50°	3994.1	14.0
50°-60°	7020.3	24.6
60°-70°	7775.6	27.2
70°-80°	3222.2	11.3
80°-90°	354.7	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°	28554.5	100.0
0°-180°	28554.5	100.0

Coefficient of Utilization

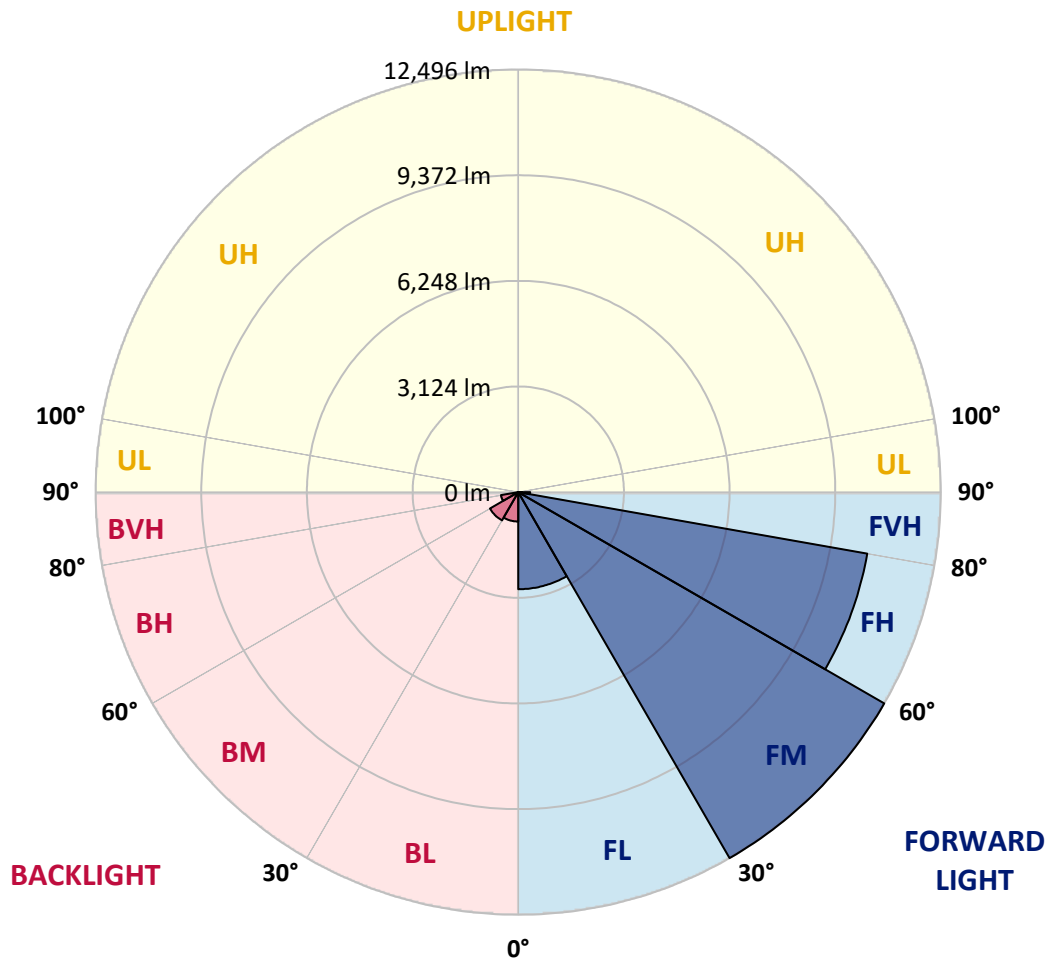


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2870.5	10.1			
FM	(30°-60°)	12496.0	43.8			
FH	(60°-80°)	10478.9	36.7			G4/12000
FVH	(80°-90°)	348.9	1.2			G3/500
BL	(0°-30°)	869.3	3.0	B2/1000		
BM	(30°-60°)	966.2	3.4	B1/1000		
BH	(60°-80°)	518.9	1.8	B2/1000		G2/1000
BVH	(80°-90°)	5.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	8089.9	8089.9	8089.9	8089.9	8089.9	8089.9	8089.9	8089.9	8089.9	8089.9	8089.9
2.5°	8802.6	8832.9	8859.4	8810.2	8851.9	8791.2	8635.8	8601.7	8575.1	8343.9	8211.2
5°	8798.8	8764.7	8791.2	8814.0	8757.1	8802.6	8764.7	8768.5	8666.1	8457.6	8086.1
7.5°	8211.2	8196.0	8211.2	8321.1	8446.2	8544.8	8601.7	8658.5	8590.3	8279.4	7919.3
10°	7418.9	7494.7	7536.4	7733.5	7926.9	8108.8	8287.0	8393.2	8374.2	8249.1	7737.3
12.5°	6865.4	6842.7	6994.3	7123.2	7316.5	7684.3	7995.1	8093.7	8207.4	8033.0	7498.5
15°	6353.6	6293.0	6384.0	6607.6	6937.4	7229.3	7665.3	7813.1	7957.2	8002.7	7369.6
17.5°	5864.6	5894.9	5989.7	6190.6	6501.5	6910.9	7320.3	7532.6	7877.6	7816.9	7176.3
20°	5629.6	5694.0	5728.1	5830.5	6046.6	6456.0	7066.3	7236.9	7604.6	7813.1	6986.7
22.5°	5640.9	5640.9	5561.3	5622.0	5819.1	6137.5	6721.4	6910.9	7494.7	7616.0	6816.1
25°	5762.2	5686.4	5690.2	5618.2	5701.6	5876.0	6410.5	6641.7	7271.0	7635.0	6725.1
27.5°	5853.2	5838.1	5815.3	5796.4	5690.2	5716.8	6205.8	6395.3	7183.8	7612.2	6584.9
30°	6183.0	6114.8	6092.1	6050.4	5910.1	5781.2	6042.8	6281.6	7115.6	7665.3	6505.3
32.5°	6459.8	6471.2	6490.1	6368.8	6247.5	5929.0	6088.3	6277.8	7066.3	7786.6	6584.9
35°	6808.5	6857.8	6865.4	6827.5	6698.6	6384.0	6277.8	6440.8	7149.7	8002.7	6592.5
37.5°	7339.3	7286.2	7430.3	7445.4	7354.4	6937.4	6717.6	6782.0	7396.1	8347.7	6880.6
40°	7684.3	7748.7	8017.9	8184.7	8029.2	7650.1	7354.4	7343.1	7752.5	8889.8	7236.9
42.5°	8067.1	8211.2	8506.9	8867.0	8848.1	8495.5	8196.0	8146.7	8385.6	9674.5	7801.8
45°	8590.3	8719.2	9132.4	9674.5	9970.2	9670.7	9219.6	9121.0	9155.1	10743.6	8764.7
47.5°	9458.4	9424.3	10019.5	10554.0	11039.2	10808.0	10614.7	10326.5	10300.0	12002.1	10095.3
50°	10440.3	10432.7	10963.4	11570.0	12131.0	12582.2	12259.9	11945.3	11952.9	13711.9	11661.0
52.5°	11372.8	11520.7	12093.1	12695.9	13658.8	14144.0	14454.9	14329.8	13727.0	15239.6	13336.6
55°	11865.7	11994.6	12563.2	13601.9	15122.1	16369.3	17210.9	17104.8	15940.9	16960.7	14989.4
57.5°	11399.4	11486.6	12256.1	13617.1	16145.7	18928.2	19735.7	19603.0	18230.7	18276.2	16987.2
60°	9447.0	9583.5	10728.4	12324.4	15747.6	20899.5	23212.0	23011.1	20315.7	19940.4	18272.4
62.5°	6543.2	6634.2	7574.3	9560.8	13859.7	21585.7	26494.9	26604.9	22514.4	21236.9	18655.3
65°	4238.3	4230.7	4769.0	6114.8	9822.3	19508.2	28435.9	29118.3	24637.4	21434.0	18537.7
67°	2994.8	2983.5	3237.5	4147.3	6801.0	16073.6	28401.8	29868.9	25789.8	21490.9	17449.7
67.5°	2763.6	2752.2	2994.8	3813.7	6137.5	14947.7	27977.2	29482.2	26195.5	21411.3	16972.1
70°	2145.7	2115.3	2206.3	2627.1	3574.9	9666.9	23943.6	27082.5	25353.9	19424.8	13552.6
72.5°	1550.5	1584.6	1728.7	2157.1	2805.3	5201.2	18249.6	21900.3	21176.2	14640.6	8613.0
75°	1080.4	1110.7	1342.0	1759.0	2574.1	3154.1	12339.5	15884.1	14750.6	8082.3	3669.6
77.5°	564.9	602.8	856.8	1406.4	2339.0	2441.4	7373.4	10072.6	7816.9	2877.3	1012.2
80°	261.6	280.5	428.4	997.0	1956.1	2145.7	4298.9	5603.0	3127.5	644.5	348.8
82.5°	113.7	125.1	197.1	572.4	1387.5	1876.5	2661.2	2938.0	1133.5	208.5	216.1
85°	22.7	26.5	75.8	303.3	671.0	1137.3	1868.9	1743.8	568.6	102.4	170.6
87.5°	0.0	0.0	19.0	87.2	182.0	337.4	792.3	792.3	174.4	53.1	64.4
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°	8089.9	8089.9	8089.9	8089.9	8089.9	8089.9	8089.9	8089.9	8089.9	8089.9	8089.9
2.5°	8093.7	7957.2	7657.7	7381.0	7183.8	6960.2	6664.5	6531.8	6482.5	6414.3	6311.9
5°	7881.4	7714.6	7202.8	6687.2	6122.4	5694.0	5239.1	4973.7	4772.8	4647.7	4606.0
7.5°	7581.9	7240.7	6550.8	5724.3	4992.7	4355.8	3665.8	3199.6	2900.1	2778.8	2665.0
10°	7343.1	6899.5	5849.4	4822.1	3847.8	2915.2	2138.1	1728.7	1417.8	1300.3	1285.1
12.5°	7032.2	6501.5	5193.6	3900.9	2676.4	1736.3	1182.8	1027.3	940.2	925.0	913.6
15°	6774.4	6141.3	4571.9	3021.4	1732.5	1084.2	921.2	883.3	860.5	853.0	856.8
17.5°	6600.0	5754.7	3935.0	2198.8	1141.1	887.1	849.2	826.4	815.1	811.3	799.9
20°	6255.1	5428.6	3305.7	1539.1	890.9	818.8	788.5	769.6	758.2	754.4	750.6
22.5°	6057.9	5015.4	2676.4	1072.8	792.3	743.0	720.3	705.1	686.2	674.8	671.0
25°	5860.8	4712.1	2115.3	834.0	720.3	686.2	652.0	633.1	602.8	587.6	583.8
27.5°	5629.6	4412.7	1630.1	724.1	648.3	614.1	580.0	549.7	511.8	496.6	489.0
30°	5496.9	4120.8	1228.3	648.3	595.2	549.7	508.0	470.1	428.4	401.8	394.3
32.5°	5428.6	3855.4	921.2	591.4	538.3	489.0	436.0	390.5	352.6	329.8	326.0
35°	5345.2	3597.6	724.1	538.3	485.2	432.2	379.1	333.6	295.7	276.7	269.2
37.5°	5432.4	3446.0	602.8	496.6	443.5	382.9	326.0	280.5	250.2	231.2	227.5
40°	5671.3	3320.9	523.2	458.7	401.8	337.4	284.3	238.8	212.3	197.1	189.5
42.5°	6039.0	3320.9	473.9	420.8	363.9	295.7	242.6	208.5	182.0	166.8	163.0
45°	6706.2	3423.2	432.2	382.9	318.4	254.0	208.5	174.4	147.8	132.7	128.9
47.5°	7642.6	3658.3	398.0	348.8	284.3	223.7	182.0	147.8	121.3	106.1	102.4
50°	8901.1	4192.8	363.9	307.1	254.0	193.3	151.6	117.5	94.8	79.6	75.8
52.5°	10470.6	4951.0	329.8	284.3	216.1	163.0	121.3	94.8	72.0	60.7	56.9
55°	12131.0	5879.8	288.1	254.0	185.8	136.5	98.6	72.0	53.1	45.5	41.7
57.5°	13802.8	6596.3	254.0	219.9	151.6	109.9	79.6	56.9	37.9	30.3	26.5
60°	14689.9	6664.5	219.9	182.0	121.3	87.2	60.7	41.7	26.5	19.0	15.2
62.5°	14826.4	6057.9	189.5	147.8	98.6	68.2	41.7	30.3	15.2	7.6	7.6
65°	14125.1	5049.5	163.0	117.5	75.8	49.3	30.3	19.0	7.6	3.8	0.0
67°	12987.8	4230.7	140.3	98.6	60.7	37.9	22.7	11.4	3.8	0.0	0.0
67.5°	12548.0	4003.2	132.7	91.0	56.9	34.1	19.0	11.4	3.8	0.0	0.0
70°	9738.9	2858.4	98.6	64.4	41.7	26.5	15.2	7.6	0.0	0.0	0.0
72.5°	5967.0	1671.8	75.8	45.5	30.3	19.0	11.4	3.8	0.0	0.0	0.0
75°	2502.0	576.2	64.4	34.1	22.7	11.4	7.6	3.8	0.0	0.0	0.0
77.5°	652.0	216.1	45.5	22.7	15.2	11.4	7.6	3.8	0.0	0.0	0.0
80°	265.4	98.6	30.3	15.2	15.2	11.4	7.6	3.8	0.0	0.0	0.0
82.5°	174.4	45.5	19.0	15.2	11.4	7.6	3.8	0.0	0.0	0.0	0.0
85°	132.7	26.5	11.4	11.4	7.6	3.8	0.0	0.0	0.0	0.0	0.0
87.5°	56.9	15.2	11.4	7.6	7.6	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)