

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: P484258

Luminaire Tested: **IFLD-S-SA6D-722-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484258
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-722-U-SL3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

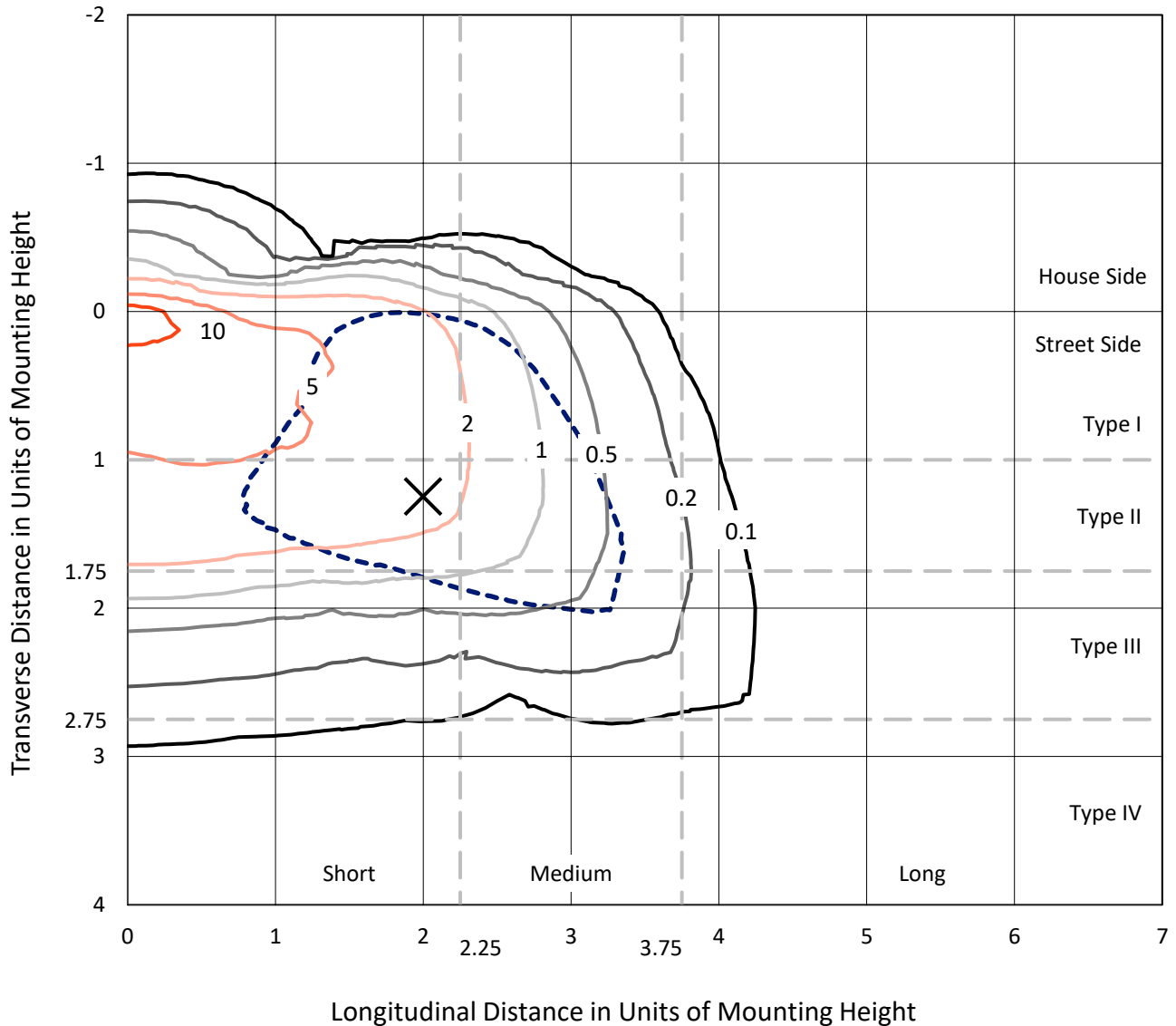
Lumens per Lamp: N/A
Luminaire Lumens: 28165.3 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 368.2
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

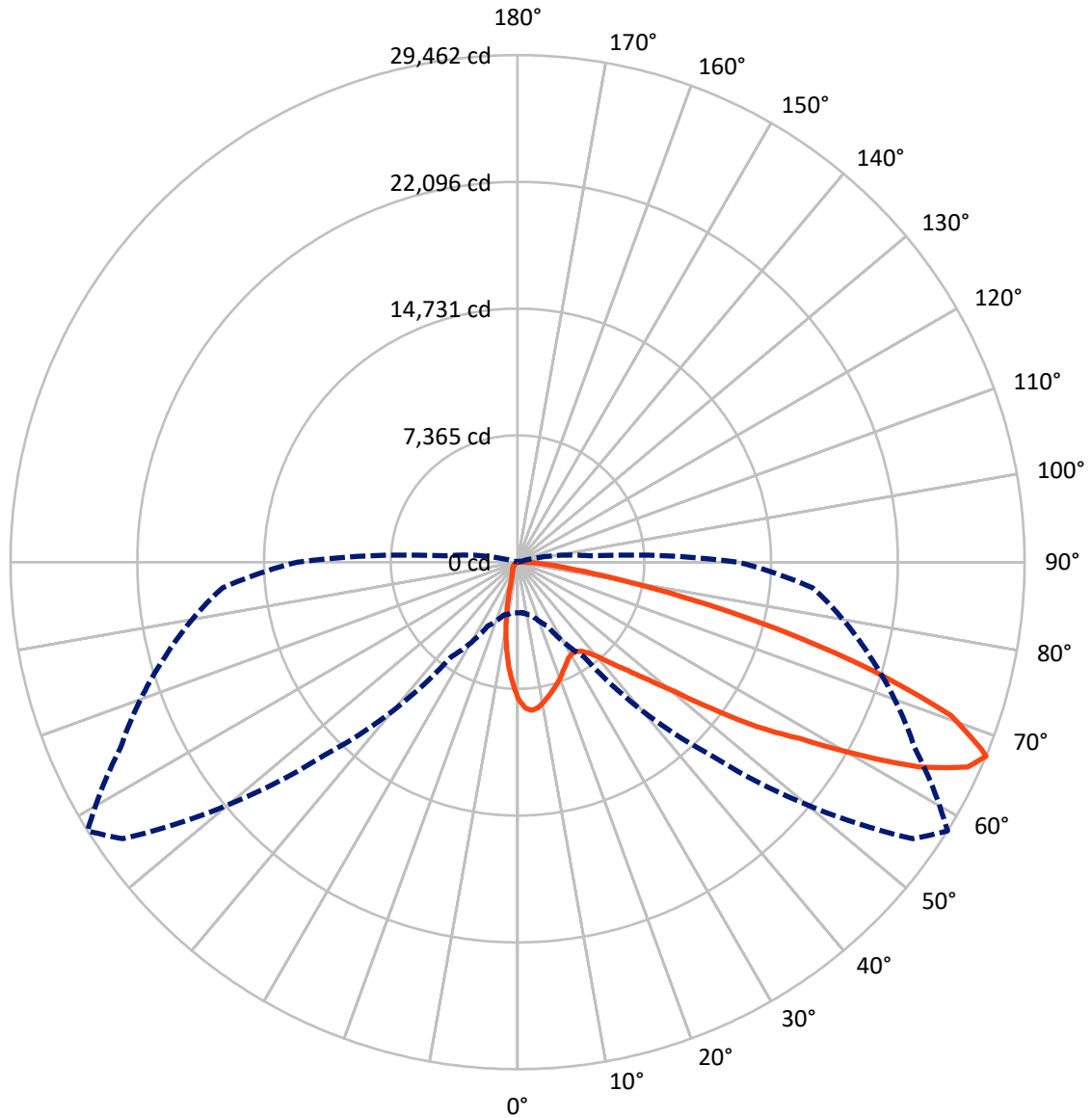
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 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	2328.0	0.0	2328.0
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	25837.3	0.0	25837.3
	% Fixture	91.7	0.0	91.7
Total	Lumens	28165.3	0.0	28165.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	633.1	2.2
10°-20°	1313.3	4.7
20°-30°	1742.4	6.2
30°-40°	2414.4	8.6
40°-50°	3939.7	14.0
50°-60°	6924.6	24.6
60°-70°	7669.6	27.2
70°-80°	3178.3	11.3
80°-90°	349.9	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°	28165.3	100.0
0°-180°	28165.3	100.0



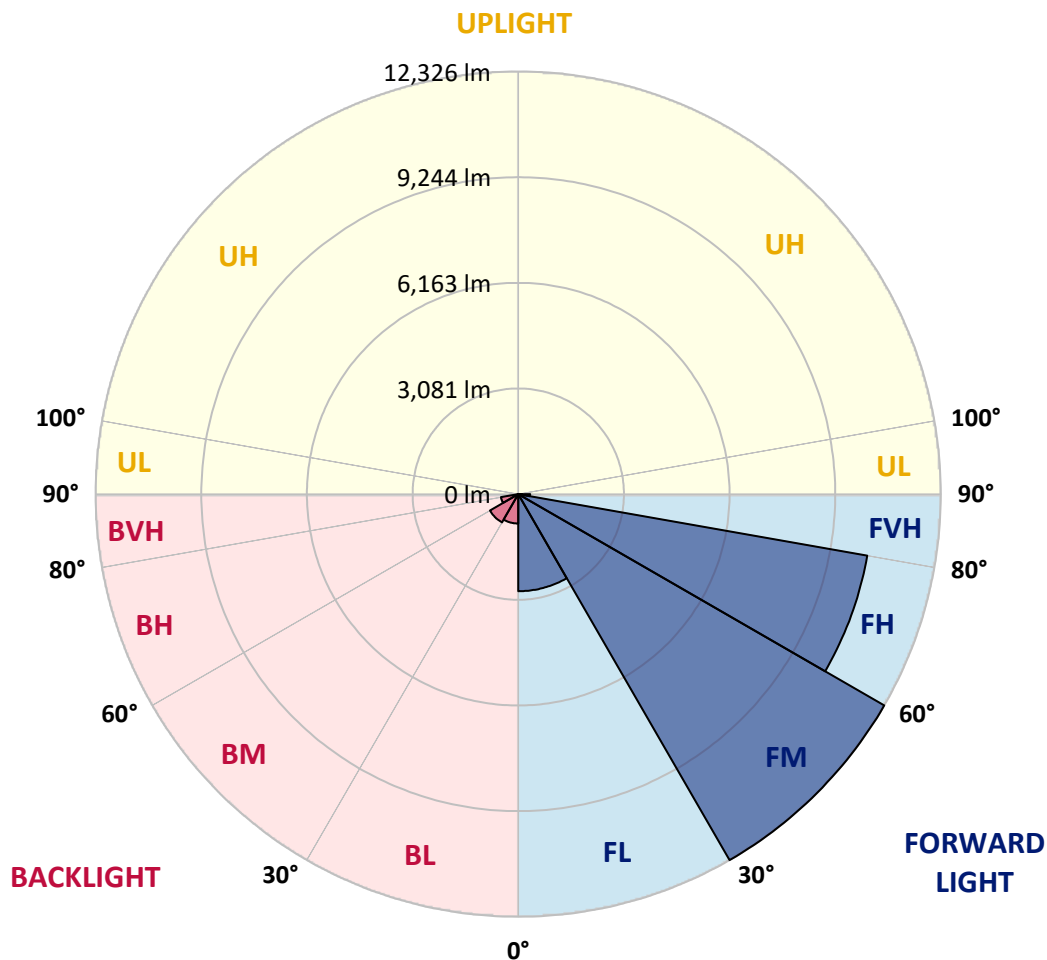
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2831.4	10.1			
FM (30°-60°)	12325.7	43.8			
FH (60°-80°)	10336.0	36.7			G4/12000
FVH (80°-90°)	344.1	1.2			G3/500
BL (0°-30°)	857.4	3.0	B2/1000		
BM (30°-60°)	953.0	3.4	B1/1000		
BH (60°-80°)	511.8	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°	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6
2.5°	8682.6	8712.5	8738.7	8690.1	8731.2	8671.4	8518.1	8484.4	8458.3	8230.2	8099.3
5°	8678.9	8645.2	8671.4	8693.8	8637.7	8682.6	8645.2	8649.0	8548.0	8342.3	7975.9
7.5°	8099.3	8084.3	8099.3	8207.7	8331.1	8428.3	8484.4	8540.5	8473.2	8166.6	7811.4
10°	7317.8	7392.6	7433.7	7628.1	7818.8	7998.3	8174.1	8278.8	8260.1	8136.7	7631.9
12.5°	6771.8	6749.4	6899.0	7026.1	7216.8	7579.5	7886.1	7983.4	8095.5	7923.5	7396.3
15°	6267.0	6207.2	6296.9	6517.6	6842.9	7130.8	7560.8	7706.7	7848.8	7893.6	7269.2
17.5°	5784.7	5814.6	5908.1	6106.2	6412.9	6816.7	7220.6	7430.0	7770.2	7710.4	7078.5
20°	5552.8	5616.4	5650.1	5751.0	5964.2	6368.0	6970.0	7138.3	7501.0	7706.7	6891.5
22.5°	5564.0	5564.0	5485.5	5545.4	5739.8	6053.9	6629.7	6816.7	7392.6	7512.2	6723.2
25°	5683.7	5608.9	5612.7	5541.6	5623.9	5795.9	6323.1	6551.2	7171.9	7530.9	6633.5
27.5°	5773.4	5758.5	5736.1	5717.4	5612.7	5638.8	6121.2	6308.2	7085.9	7508.5	6495.1
30°	6098.8	6031.5	6009.0	5967.9	5829.5	5702.4	5960.4	6196.0	7018.6	7560.8	6416.6
32.5°	6371.7	6383.0	6401.6	6282.0	6162.3	5848.2	6005.3	6192.2	6970.0	7680.5	6495.1
35°	6715.7	6764.4	6771.8	6734.4	6607.3	6296.9	6192.2	6353.0	7052.3	7893.6	6502.6
37.5°	7239.2	7186.9	7329.0	7343.9	7254.2	6842.9	6626.0	6689.6	7295.3	8233.9	6786.8
40°	7579.5	7643.1	7908.6	8073.1	7919.8	7545.9	7254.2	7243.0	7646.8	8768.6	7138.3
42.5°	7957.2	8099.3	8390.9	8746.2	8727.5	8379.7	8084.3	8035.7	8271.3	9542.6	7695.4
45°	8473.2	8600.3	9007.9	9542.6	9834.3	9538.9	9093.9	8996.7	9030.4	10597.1	8645.2
47.5°	9329.5	9295.9	9882.9	10410.2	10888.8	10660.7	10470.0	10185.8	10159.6	11838.6	9957.7
50°	10298.0	10290.5	10814.0	11412.3	11965.7	12410.7	12092.8	11782.5	11790.0	13525.0	11502.0
52.5°	11217.8	11363.7	11928.3	12522.9	13472.6	13951.3	14257.9	14134.5	13539.9	15031.9	13154.8
55°	11703.9	11831.1	12392.0	13416.5	14916.0	16146.2	16976.3	16871.6	15723.7	16729.5	14785.1
57.5°	11244.0	11330.0	12089.1	13431.5	15925.6	18670.2	19466.7	19335.8	17982.2	18027.1	16755.7
60°	9318.3	9452.9	10582.2	12156.4	15533.0	20614.7	22895.6	22697.4	20038.8	19668.6	18023.3
62.5°	6454.0	6543.7	7471.1	9430.5	13670.8	21291.5	26133.8	26242.3	22207.6	20947.5	18401.0
65°	4180.5	4173.0	4704.0	6031.5	9688.5	19242.3	28048.3	28721.4	24301.6	21141.9	18285.1
67°	2954.0	2942.8	3193.3	4090.8	6708.3	15854.6	28014.7	29461.8	25438.3	21198.0	17211.9
67.5°	2725.9	2714.7	2954.0	3761.7	6053.9	14744.0	27595.9	29080.4	25838.4	21119.5	16740.8
70°	2116.4	2086.5	2176.3	2591.3	3526.1	9535.2	23617.3	26713.4	25008.3	19160.1	13367.9
72.5°	1529.4	1563.0	1705.1	2127.7	2767.1	5130.3	18000.9	21601.8	20887.6	14441.1	8495.6
75°	1065.7	1095.6	1323.7	1735.0	2539.0	3111.1	12171.4	15667.6	14549.5	7972.1	3619.6
77.5°	557.2	594.5	845.1	1387.3	2307.1	2408.1	7272.9	9935.3	7710.4	2838.1	998.4
80°	258.0	276.7	422.5	983.4	1929.5	2116.4	4240.3	5526.7	3084.9	635.7	344.0
82.5°	112.2	123.4	194.4	564.6	1368.6	1850.9	2625.0	2897.9	1118.0	205.7	213.1
85°	22.4	26.2	74.8	299.1	661.9	1121.8	1843.5	1720.1	560.9	101.0	168.3
87.5°	0.0	0.0	18.7	86.0	179.5	332.8	781.5	781.5	172.0	52.3	63.6
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°	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6	7979.6
2.5°	7983.4	7848.8	7553.3	7280.4	7085.9	6865.3	6573.7	6442.8	6394.2	6326.9	6225.9
5°	7774.0	7609.4	7104.6	6596.1	6038.9	5616.4	5167.7	4905.9	4707.8	4584.4	4543.2
7.5°	7478.6	7142.0	6461.5	5646.3	4924.6	4296.4	3615.9	3156.0	2860.5	2740.9	2628.7
10°	7243.0	6805.5	5769.7	4756.4	3795.4	2875.5	2109.0	1705.1	1398.5	1282.6	1267.6
12.5°	6936.4	6412.9	5122.8	3847.7	2639.9	1712.6	1166.7	1013.3	927.3	912.4	901.2
15°	6682.1	6057.6	4509.6	2980.2	1708.9	1069.4	908.6	871.3	848.8	841.3	845.1
17.5°	6510.1	5676.2	3881.4	2168.8	1125.5	875.0	837.6	815.2	803.9	800.2	789.0
20°	6169.8	5354.7	3260.7	1518.1	878.7	807.7	777.8	759.1	747.9	744.1	740.4
22.5°	5975.4	4947.1	2639.9	1058.2	781.5	732.9	710.5	695.5	676.8	665.6	661.9
25°	5780.9	4647.9	2086.5	822.6	710.5	676.8	643.2	624.5	594.5	579.6	575.8
27.5°	5552.8	4352.5	1607.9	714.2	639.4	605.8	572.1	542.2	504.8	489.8	482.4
30°	5422.0	4064.6	1211.5	639.4	587.1	542.2	501.1	463.7	422.5	396.4	388.9
32.5°	5354.7	3802.8	908.6	583.3	531.0	482.4	430.0	385.1	347.8	325.3	321.6
35°	5272.4	3548.6	714.2	531.0	478.6	426.3	373.9	329.1	291.7	273.0	265.5
37.5°	5358.4	3399.0	594.5	489.8	437.5	377.7	321.6	276.7	246.8	228.1	224.4
40°	5594.0	3275.6	516.0	452.5	396.4	332.8	280.4	235.6	209.4	194.4	187.0
42.5°	5956.7	3275.6	467.4	415.1	359.0	291.7	239.3	205.7	179.5	164.5	160.8
45°	6614.8	3376.6	426.3	377.7	314.1	250.5	205.7	172.0	145.8	130.9	127.1
47.5°	7538.4	3608.4	392.6	344.0	280.4	220.6	179.5	145.8	119.7	104.7	101.0
50°	8779.8	4135.6	359.0	302.9	250.5	190.7	149.6	115.9	93.5	78.5	74.8
52.5°	10327.9	4883.5	325.3	280.4	213.1	160.8	119.7	93.5	71.0	59.8	56.1
55°	11965.7	5799.6	284.2	250.5	183.2	134.6	97.2	71.0	52.3	44.9	41.1
57.5°	13614.7	6506.3	250.5	216.9	149.6	108.4	78.5	56.1	37.4	29.9	26.2
60°	14489.7	6573.7	216.9	179.5	119.7	86.0	59.8	41.1	26.2	18.7	15.0
62.5°	14624.3	5975.4	187.0	145.8	97.2	67.3	41.1	29.9	15.0	7.5	7.5
65°	13932.6	4980.7	160.8	115.9	74.8	48.6	29.9	18.7	7.5	3.7	0.0
67°	12810.8	4173.0	138.4	97.2	59.8	37.4	22.4	11.2	3.7	0.0	0.0
67.5°	12377.0	3948.7	130.9	89.7	56.1	33.7	18.7	11.2	3.7	0.0	0.0
70°	9606.2	2819.4	97.2	63.6	41.1	26.2	15.0	7.5	0.0	0.0	0.0
72.5°	5885.6	1649.0	74.8	44.9	29.9	18.7	11.2	3.7	0.0	0.0	0.0
75°	2467.9	568.4	63.6	33.7	22.4	11.2	7.5	3.7	0.0	0.0	0.0
77.5°	643.2	213.1	44.9	22.4	15.0	11.2	7.5	3.7	0.0	0.0	0.0
80°	261.7	97.2	29.9	15.0	15.0	11.2	7.5	3.7	0.0	0.0	0.0
82.5°	172.0	44.9	18.7	15.0	11.2	7.5	3.7	0.0	0.0	0.0	0.0
85°	130.9	26.2	11.2	11.2	7.5	3.7	0.0	0.0	0.0	0.0	0.0
87.5°	56.1	15.0	11.2	7.5	7.5	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)