

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: P484271

Luminaire Tested: **IFLD-L-SA8B-722-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484271
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-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

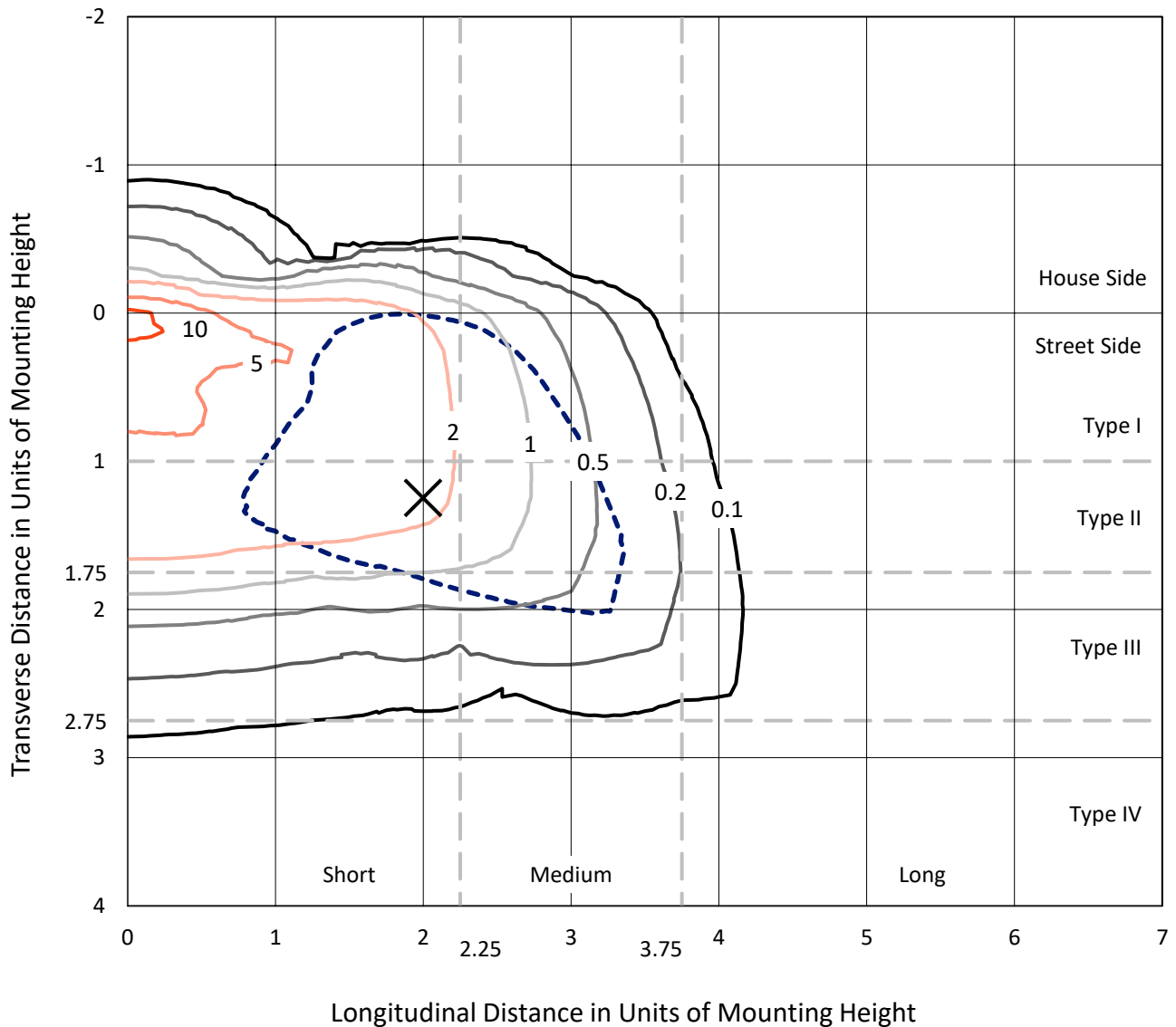
Lumens per Lamp: N/A
Luminaire Lumens: 25071 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 320
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

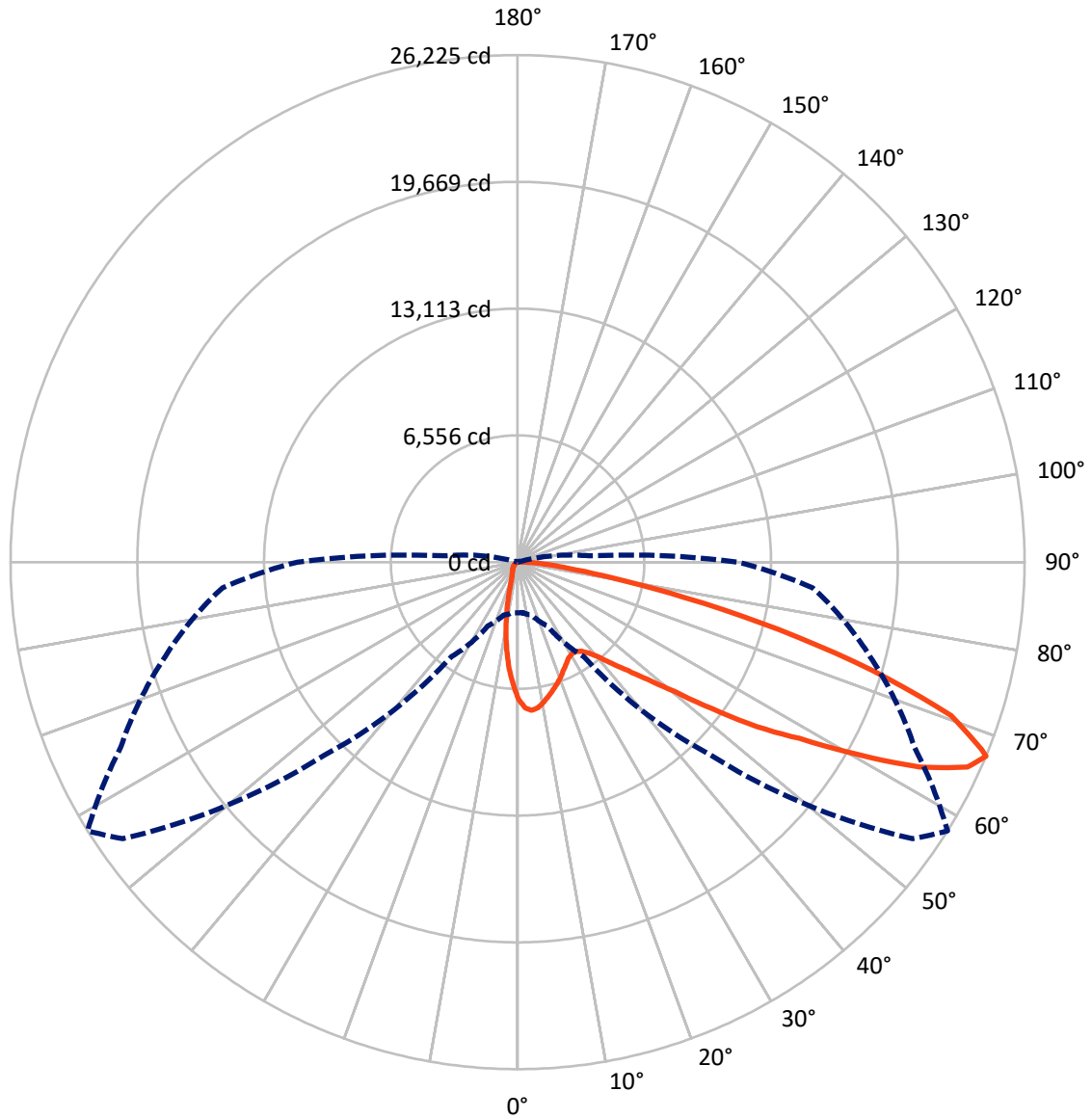
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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	2072.3	0.0	2072.3
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	22998.7	0.0	22998.7
	% Fixture	91.7	0.0	91.7
Total	Lumens	25071.0	0.0	25071.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.6	2.2
10°-20°	1169.0	4.7
20°-30°	1551.0	6.2
30°-40°	2149.2	8.6
40°-50°	3506.8	14.0
50°-60°	6163.9	24.6
60°-70°	6827.0	27.2
70°-80°	2829.1	11.3
80°-90°	311.4	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°	25071.0	100.0
0°-180°	25071.0	100.0



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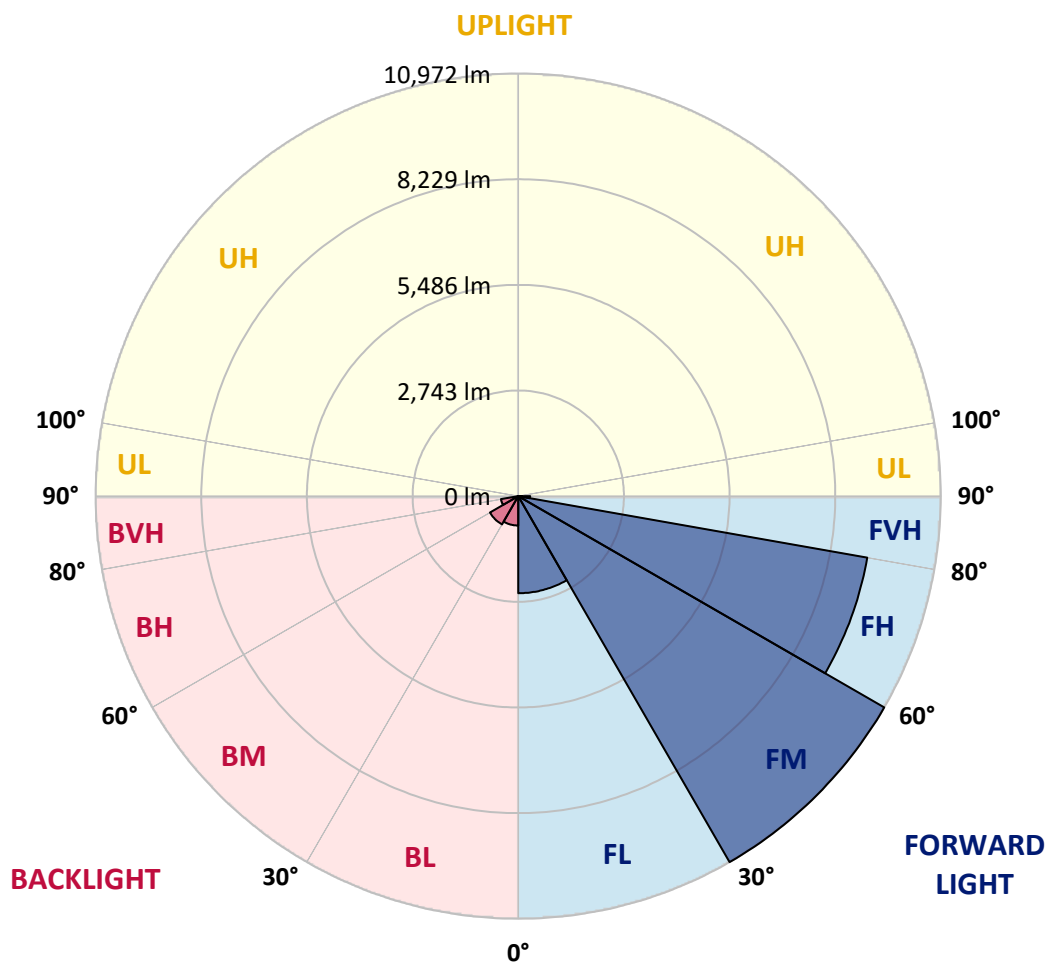
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2520.3	10.1			
FM (30°-60°)	10971.6	43.8			
FH (60°-80°)	9200.5	36.7			G4/12000
FVH (80°-90°)	306.3	1.2			G3/500
BL (0°-30°)	763.2	3.0	B2/1000		
BM (30°-60°)	848.3	3.4	B1/1000		
BH (60°-80°)	455.6	1.8	B1/500		G1/500
BVH (80°-90°)	5.1	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°	7103.0	7103.0	7103.0	7103.0	7103.0	7103.0	7103.0	7103.0	7103.0	7103.0	7103.0
2.5°	7728.7	7755.3	7778.6	7735.4	7772.0	7718.7	7582.3	7552.3	7529.0	7326.0	7209.5
5°	7725.4	7695.4	7718.7	7738.7	7688.8	7728.7	7695.4	7698.8	7608.9	7425.8	7099.6
7.5°	7209.5	7196.2	7209.5	7306.0	7415.8	7502.4	7552.3	7602.2	7542.3	7269.4	6953.2
10°	6513.8	6580.4	6617.0	6790.1	6959.8	7119.6	7276.0	7369.2	7352.6	7242.8	6793.4
12.5°	6027.9	6007.9	6141.0	6254.2	6423.9	6746.8	7019.7	7106.3	7206.1	7053.0	6583.7
15°	5578.5	5525.3	5605.1	5801.5	6091.1	6347.4	6730.2	6860.0	6986.5	7026.4	6470.5
17.5°	5149.1	5175.8	5259.0	5435.4	5708.3	6067.8	6427.3	6613.7	6916.6	6863.3	6300.8
20°	4942.8	4999.4	5029.3	5119.2	5308.9	5668.4	6204.3	6354.1	6676.9	6860.0	6134.4
22.5°	4952.8	4952.8	4882.9	4936.1	5109.2	5388.8	5901.4	6067.8	6580.4	6686.9	5984.6
25°	5059.3	4992.7	4996.0	4932.8	5006.0	5159.1	5628.4	5831.5	6384.0	6703.5	5904.7
27.5°	5139.2	5125.8	5105.9	5089.2	4996.0	5019.3	5448.7	5615.1	6307.5	6683.6	5781.6
30°	5428.7	5368.8	5348.9	5312.2	5189.1	5075.9	5305.6	5515.3	6247.5	6730.2	5711.7
32.5°	5671.7	5681.7	5698.3	5591.8	5485.3	5205.7	5345.5	5511.9	6204.3	6836.7	5781.6
35°	5977.9	6021.2	6027.9	5994.6	5881.4	5605.1	5511.9	5655.1	6277.5	7026.4	5788.2
37.5°	6443.9	6397.3	6523.8	6537.1	6457.2	6091.1	5898.1	5954.6	6493.8	7329.3	6041.2
40°	6746.8	6803.4	7039.7	7186.2	7049.7	6716.9	6457.2	6447.2	6806.7	7805.3	6354.1
42.5°	7083.0	7209.5	7469.1	7785.3	7768.7	7459.1	7196.2	7152.9	7362.6	8494.3	6850.0
45°	7542.3	7655.5	8018.3	8494.3	8753.9	8490.9	8094.8	8008.3	8038.3	9432.9	7695.4
47.5°	8304.5	8274.6	8797.1	9266.5	9692.5	9489.5	9319.7	9066.8	9043.5	10537.9	8863.7
50°	9166.6	9160.0	9625.9	10158.5	10651.1	11047.2	10764.3	10488.0	10494.7	12039.1	10238.4
52.5°	9985.4	10115.2	10617.8	11147.0	11992.5	12418.5	12691.5	12581.6	12052.4	13380.5	11709.6
55°	10418.1	10531.3	11030.6	11942.6	13277.3	14372.3	15111.3	15018.1	13996.2	14891.6	13160.8
57.5°	10008.7	10085.3	10760.9	11955.9	14176.0	16619.1	17328.0	17211.5	16006.6	16046.6	14914.9
60°	8294.5	8414.4	9419.6	10820.9	13826.5	18349.9	20380.2	20203.8	17837.3	17507.8	16043.2
62.5°	5744.9	5824.8	6650.3	8394.4	12168.9	18952.3	23262.7	23359.2	19767.8	18646.1	16379.4
65°	3721.2	3714.6	4187.2	5368.8	8624.1	17128.3	24966.9	25566.0	21631.7	18819.2	16276.2
67°	2629.5	2619.5	2842.5	3641.3	5971.3	14112.7	24936.9	26225.0	22643.6	18869.1	15321.0
67.5°	2426.5	2416.5	2629.5	3348.4	5388.8	13124.2	24564.1	25885.5	22999.7	18799.2	14901.6
70°	1883.9	1857.3	1937.2	2306.6	3138.7	8487.6	21022.6	23778.6	22260.8	17055.1	11899.3
72.5°	1361.3	1391.3	1517.8	1893.9	2463.1	4566.7	16023.3	19228.6	18592.8	12854.6	7562.3
75°	948.6	975.2	1178.3	1544.4	2260.0	2769.3	10834.2	13946.3	12951.1	7096.3	3222.0
77.5°	495.9	529.2	752.2	1234.9	2053.7	2143.5	6473.9	8843.7	6863.3	2526.3	888.7
80°	229.7	246.3	376.1	875.4	1717.5	1883.9	3774.5	4919.5	2746.0	565.8	306.2
82.5°	99.9	109.8	173.1	502.6	1218.2	1647.6	2336.6	2579.6	995.2	183.1	189.7
85°	20.0	23.3	66.6	266.3	589.1	998.5	1640.9	1531.1	499.3	89.9	149.8
87.5°	0.0	0.0	16.6	76.6	159.8	296.2	695.7	695.7	153.1	46.6	56.6
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°	7103.0	7103.0	7103.0	7103.0	7103.0	7103.0	7103.0	7103.0	7103.0	7103.0	7103.0
2.5°	7106.3	6986.5	6723.5	6480.5	6307.5	6111.1	5851.5	5735.0	5691.7	5631.8	5541.9
5°	6919.9	6773.4	6324.1	5871.4	5375.5	4999.4	4599.9	4367.0	4190.5	4080.7	4044.1
7.5°	6656.9	6357.4	5751.6	5026.0	4383.6	3824.4	3218.6	2809.2	2546.3	2439.8	2339.9
10°	6447.2	6057.8	5135.8	4233.8	3378.4	2559.6	1877.3	1517.8	1244.8	1141.7	1128.4
12.5°	6174.3	5708.3	4560.0	3425.0	2349.9	1524.4	1038.5	902.0	825.5	812.1	802.2
15°	5948.0	5392.1	4014.1	2652.8	1521.1	951.9	808.8	775.5	755.6	748.9	752.2
17.5°	5794.9	5052.6	3455.0	1930.5	1001.9	778.9	745.6	725.6	715.6	712.3	702.3
20°	5492.0	4766.4	2902.4	1351.4	782.2	718.9	692.3	675.7	665.7	662.4	659.0
22.5°	5318.9	4403.6	2349.9	942.0	695.7	652.4	632.4	619.1	602.5	592.5	589.1
25°	5145.8	4137.3	1857.3	732.3	632.4	602.5	572.5	555.9	529.2	515.9	512.6
27.5°	4942.8	3874.3	1431.2	635.7	569.2	539.2	509.3	482.6	449.3	436.0	429.4
30°	4826.3	3618.0	1078.4	569.2	522.6	482.6	446.0	412.7	376.1	352.8	346.2
32.5°	4766.4	3385.1	808.8	519.2	472.6	429.4	382.8	342.8	309.5	289.6	286.2
35°	4693.1	3158.7	635.7	472.6	426.0	379.4	332.8	292.9	259.6	243.0	236.3
37.5°	4769.7	3025.6	529.2	436.0	389.4	336.2	286.2	246.3	219.7	203.0	199.7
40°	4979.4	2915.7	459.3	402.7	352.8	296.2	249.6	209.7	186.4	173.1	166.4
42.5°	5302.3	2915.7	416.1	369.5	319.5	259.6	213.0	183.1	159.8	146.5	143.1
45°	5888.1	3005.6	379.4	336.2	279.6	223.0	183.1	153.1	129.8	116.5	113.2
47.5°	6710.2	3212.0	349.5	306.2	249.6	196.4	159.8	129.8	106.5	93.2	89.9
50°	7815.2	3681.3	319.5	269.6	223.0	169.8	133.1	103.2	83.2	69.9	66.6
52.5°	9193.2	4347.0	289.6	249.6	189.7	143.1	106.5	83.2	63.2	53.3	49.9
55°	10651.1	5162.5	253.0	223.0	163.1	119.8	86.5	63.2	46.6	39.9	36.6
57.5°	12119.0	5791.5	223.0	193.1	133.1	96.5	69.9	49.9	33.3	26.6	23.3
60°	12897.8	5851.5	193.1	159.8	106.5	76.6	53.3	36.6	23.3	16.6	13.3
62.5°	13017.6	5318.9	166.4	129.8	86.5	59.9	36.6	26.6	13.3	6.7	6.7
65°	12401.9	4433.5	143.1	103.2	66.6	43.3	26.6	16.6	6.7	3.3	0.0
67°	11403.3	3714.6	123.2	86.5	53.3	33.3	20.0	10.0	3.3	0.0	0.0
67.5°	11017.2	3514.9	116.5	79.9	49.9	30.0	16.6	10.0	3.3	0.0	0.0
70°	8550.8	2509.7	86.5	56.6	36.6	23.3	13.3	6.7	0.0	0.0	0.0
72.5°	5239.0	1467.9	66.6	39.9	26.6	16.6	10.0	3.3	0.0	0.0	0.0
75°	2196.8	505.9	56.6	30.0	20.0	10.0	6.7	3.3	0.0	0.0	0.0
77.5°	572.5	189.7	39.9	20.0	13.3	10.0	6.7	3.3	0.0	0.0	0.0
80°	233.0	86.5	26.6	13.3	13.3	10.0	6.7	3.3	0.0	0.0	0.0
82.5°	153.1	39.9	16.6	13.3	10.0	6.7	3.3	0.0	0.0	0.0	0.0
85°	116.5	23.3	10.0	10.0	6.7	3.3	0.0	0.0	0.0	0.0	0.0
87.5°	49.9	13.3	10.0	6.7	6.7	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)