

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: P484335

Luminaire Tested: **IFLD-S-SA6C-730-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484335
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-730-U-SL3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield
Light Source: (96) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

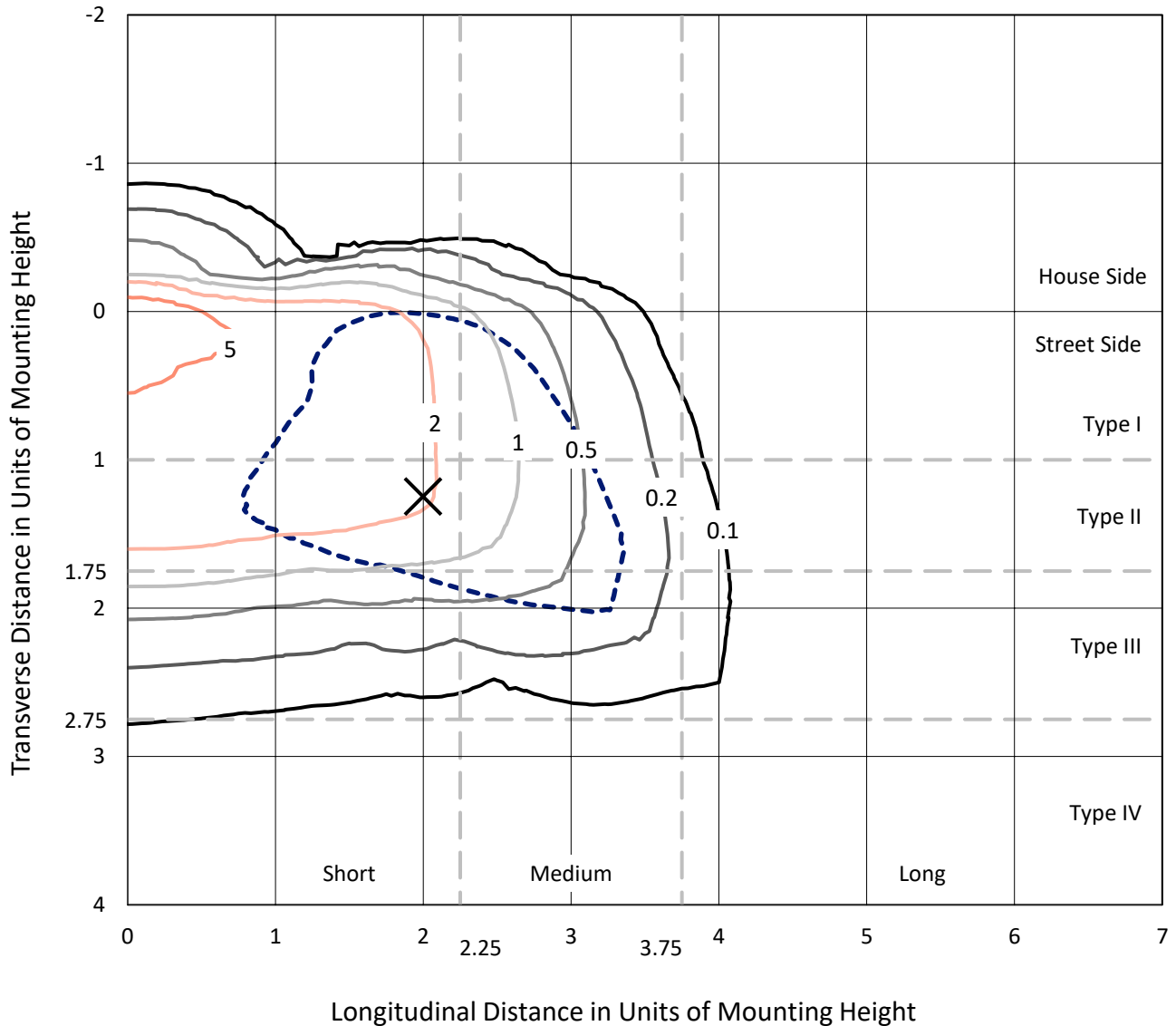
Lumens per Lamp: N/A
Luminaire Lumens: 31643 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 321.5
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

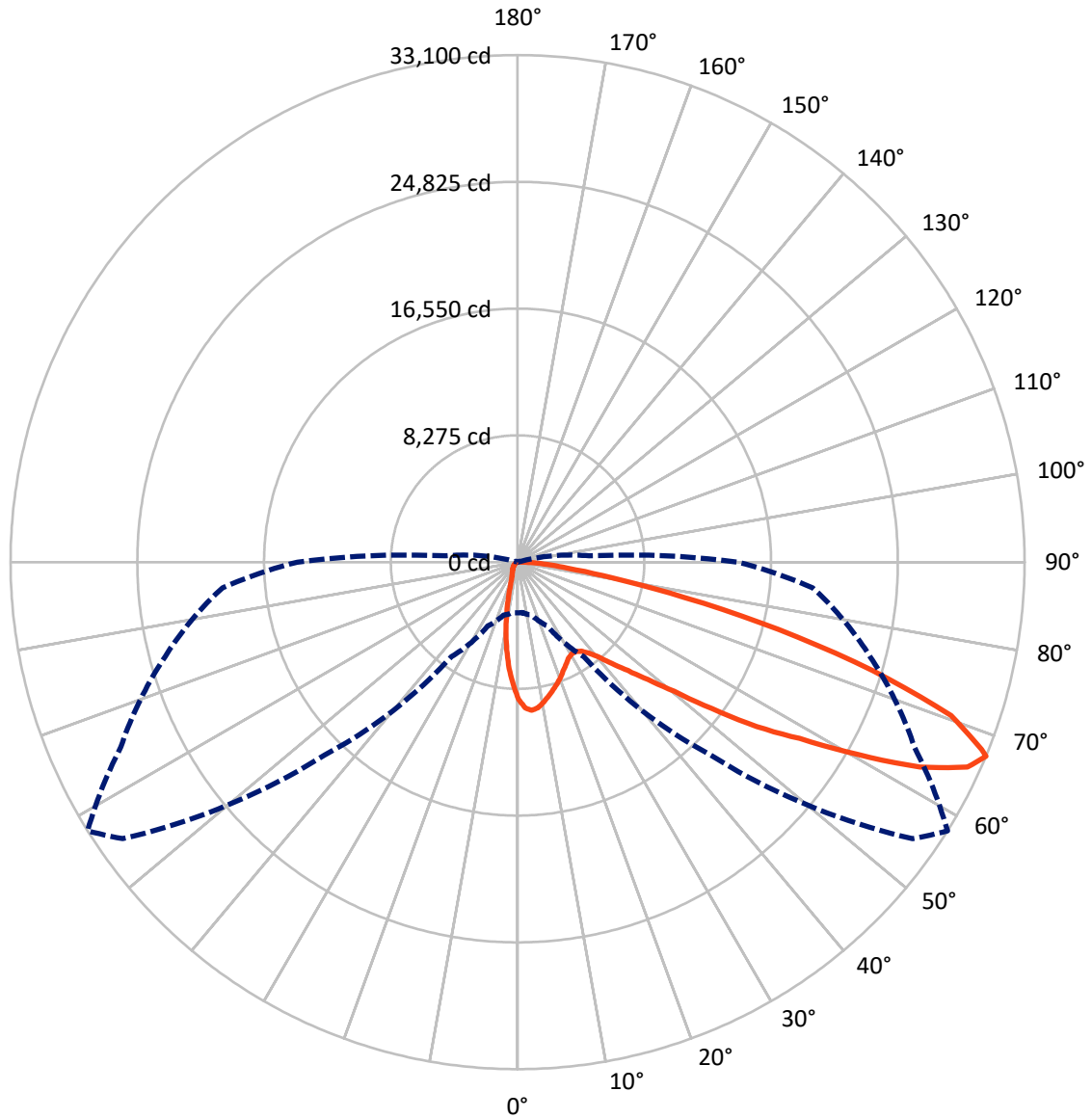
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10 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	2615.5	0.0	2615.5
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	29027.5	0.0	29027.5
	% Fixture	91.7	0.0	91.7
Total	Lumens	31643.0	0.0	31643.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	711.3	2.2
10°-20°	1475.4	4.7
20°-30°	1957.6	6.2
30°-40°	2712.5	8.6
40°-50°	4426.1	14.0
50°-60°	7779.7	24.6
60°-70°	8616.6	27.2
70°-80°	3570.7	11.3
80°-90°	393.1	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°	31643.0	100.0
0°-180°	31643.0	100.0

Coefficient of Utilization



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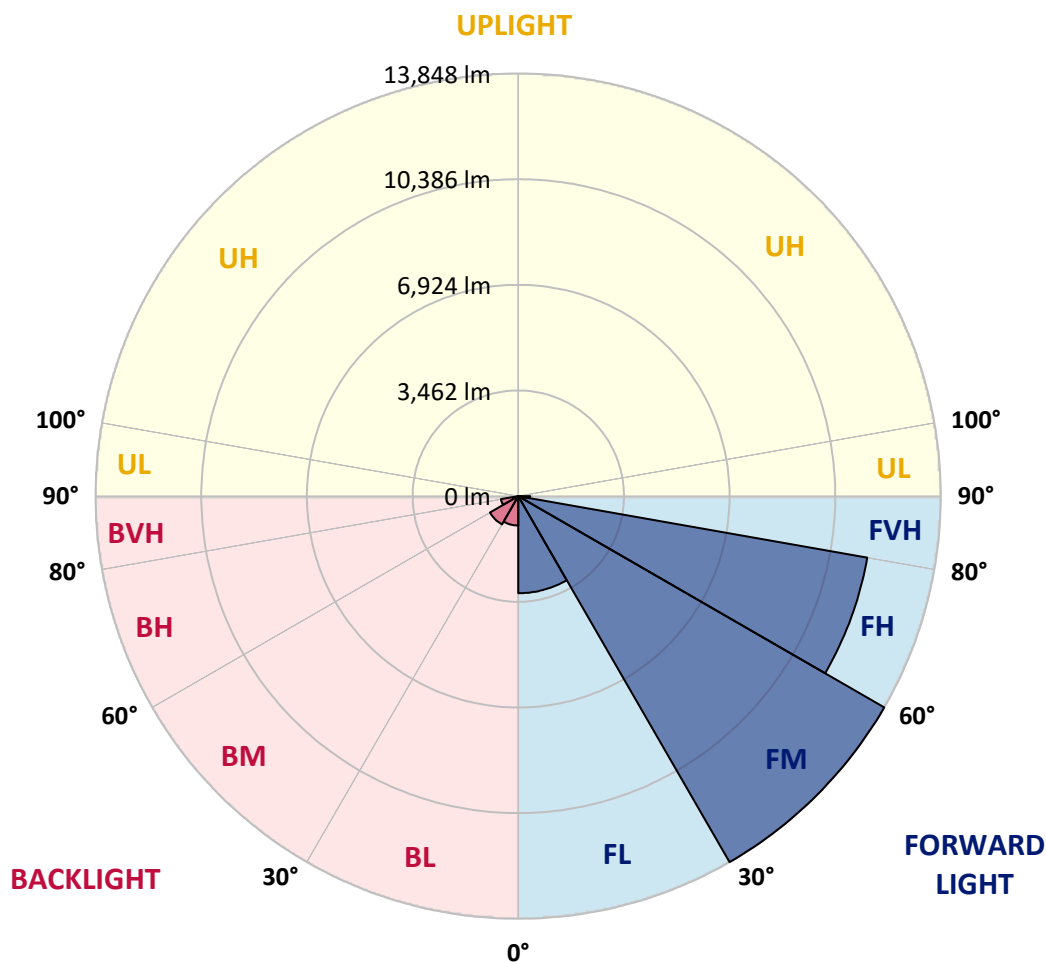
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3181.0	10.1			
FM (30°-60°)	13847.6	43.8			
FH (60°-80°)	11612.3	36.7			G4/12000
FVH (80°-90°)	386.6	1.2			G3/500
BL (0°-30°)	963.3	3.0	B2/1000		
BM (30°-60°)	1070.7	3.4	B2/2500		
BH (60°-80°)	575.0	1.8	B2/1000		G2/1000
BVH (80°-90°)	6.5	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°	8964.9	8964.9	8964.9	8964.9	8964.9	8964.9	8964.9	8964.9	8964.9	8964.9	8964.9
2.5°	9754.7	9788.3	9817.7	9763.1	9809.3	9742.1	9569.8	9532.0	9502.6	9246.4	9099.3
5°	9750.5	9712.7	9742.1	9767.3	9704.3	9754.7	9712.7	9716.9	9603.4	9372.4	8960.7
7.5°	9099.3	9082.5	9099.3	9221.1	9359.8	9469.0	9532.0	9595.0	9519.4	9174.9	8775.8
10°	8221.3	8305.3	8351.5	8570.0	8784.2	8985.9	9183.3	9301.0	9280.0	9141.3	8574.2
12.5°	7608.0	7582.8	7750.8	7893.6	8107.9	8515.4	8859.9	8969.1	9095.1	8901.9	8309.5
15°	7040.8	6973.6	7074.4	7322.3	7687.8	8011.3	8494.4	8658.2	8817.9	8868.3	8166.7
17.5°	6498.9	6532.5	6637.5	6860.2	7204.7	7658.4	8112.1	8347.3	8729.6	8662.4	7952.5
20°	6238.5	6309.9	6347.7	6461.1	6700.6	7154.3	7830.6	8019.7	8427.2	8658.2	7742.4
22.5°	6251.1	6251.1	6162.8	6230.0	6448.5	6801.4	7448.3	7658.4	8305.3	8439.8	7553.4
25°	6385.5	6301.5	6305.7	6225.8	6318.3	6511.5	7103.9	7360.1	8057.5	8460.8	7452.5
27.5°	6486.3	6469.5	6444.3	6423.3	6305.7	6335.1	6877.0	7087.0	7960.9	8435.6	7297.1
30°	6851.8	6776.2	6751.0	6704.8	6549.3	6406.5	6696.4	6961.0	7885.2	8494.4	7208.9
32.5°	7158.5	7171.1	7192.1	7057.6	6923.2	6570.3	6746.8	6956.8	7830.6	8628.8	7297.1
35°	7545.0	7599.6	7608.0	7566.0	7423.1	7074.4	6956.8	7137.5	7923.0	8868.3	7305.5
37.5°	8133.1	8074.3	8233.9	8250.7	8149.9	7687.8	7444.1	7515.5	8196.1	9250.6	7624.8
40°	8515.4	8586.8	8885.1	9069.9	8897.7	8477.6	8149.9	8137.3	8591.0	9851.3	8019.7
42.5°	8939.7	9099.3	9427.0	9826.1	9805.1	9414.4	9082.5	9027.9	9292.6	10720.9	8645.6
45°	9519.4	9662.2	10120.2	10720.9	11048.6	10716.7	10216.8	10107.6	10145.4	11905.6	9712.7
47.5°	10481.4	10443.6	11103.2	11695.5	12233.2	11977.0	11762.7	11443.5	11414.1	13300.3	11187.2
50°	11569.5	11561.1	12149.2	12821.4	13443.1	13943.0	13586.0	13237.3	13245.7	15194.9	12922.2
52.5°	12602.9	12766.8	13401.1	14069.1	15136.1	15673.8	16018.3	15879.7	15211.7	16887.9	14779.0
55°	13149.1	13291.9	13922.0	15073.1	16757.7	18139.8	19072.4	18954.8	17665.1	18795.2	16610.7
57.5°	12632.3	12729.0	13581.8	15089.9	17892.0	20975.5	21870.3	21723.3	20202.5	20252.9	18824.6
60°	10468.8	10620.1	11888.8	13657.4	17450.9	23160.0	25722.6	25499.9	22513.0	22097.1	20248.7
62.5°	7250.9	7351.7	8393.6	10594.9	15358.8	23920.4	29360.6	29482.5	24949.6	23533.9	20673.0
65°	4696.7	4688.3	5284.8	6776.2	10884.7	21618.2	31511.5	32267.7	27302.2	23752.3	20542.8
67°	3318.8	3306.2	3587.6	4595.9	7536.6	17812.1	31473.7	33099.5	28579.3	23815.3	19337.1
67.5°	3062.5	3049.9	3318.8	4226.2	6801.4	16564.5	31003.2	32671.0	29028.8	23727.1	18807.8
70°	2377.8	2344.1	2445.0	2911.3	3961.5	10712.5	26533.4	30011.8	28096.1	21525.8	15018.5
72.5°	1718.2	1756.0	1915.6	2390.4	3108.7	5763.7	20223.5	24269.0	23466.7	16224.2	9544.6
75°	1197.3	1230.9	1487.1	1949.3	2852.5	3495.2	13674.2	17602.1	16346.0	8956.5	4066.5
77.5°	625.9	668.0	949.4	1558.6	2592.0	2705.4	8170.9	11162.0	8662.4	3188.5	1121.7
80°	289.9	310.9	474.7	1104.9	2167.7	2377.8	4763.9	6209.0	3465.8	714.2	386.5
82.5°	126.0	138.6	218.5	634.3	1537.6	2079.5	2949.1	3255.8	1256.1	231.1	239.5
85°	25.2	29.4	84.0	336.1	743.6	1260.3	2071.1	1932.4	630.1	113.4	189.0
87.5°	0.0	0.0	21.0	96.6	201.6	373.9	878.0	878.0	193.2	58.8	71.4
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°	8964.9	8964.9	8964.9	8964.9	8964.9	8964.9	8964.9	8964.9	8964.9	8964.9	8964.9
2.5°	8969.1	8817.9	8486.0	8179.3	7960.9	7713.0	7385.3	7238.3	7183.7	7108.1	6994.6
5°	8733.8	8549.0	7981.9	7410.5	6784.6	6309.9	5805.8	5511.7	5289.0	5150.4	5104.2
7.5°	8402.0	8023.9	7259.3	6343.5	5532.7	4826.9	4062.3	3545.6	3213.7	3079.3	2953.3
10°	8137.3	7645.8	6482.1	5343.6	4264.0	3230.6	2369.4	1915.6	1571.2	1440.9	1424.1
12.5°	7792.8	7204.7	5755.3	4322.8	2965.9	1924.0	1310.7	1138.5	1041.8	1025.0	1012.4
15°	7507.1	6805.6	5066.4	3348.2	1919.8	1201.5	1020.8	978.8	953.6	945.2	949.4
17.5°	7313.9	6377.1	4360.6	2436.6	1264.5	983.0	941.0	915.8	903.2	899.0	886.4
20°	6931.6	6015.8	3663.3	1705.6	987.2	907.4	873.8	852.8	840.2	836.0	831.8
22.5°	6713.2	5557.9	2965.9	1188.9	878.0	823.4	798.2	781.4	760.4	747.8	743.6
25°	6494.7	5221.8	2344.1	924.2	798.2	760.4	722.6	701.6	668.0	651.2	647.0
27.5°	6238.5	4889.9	1806.4	802.4	718.4	680.6	642.7	609.1	567.1	550.3	541.9
30°	6091.4	4566.5	1361.1	718.4	659.6	609.1	562.9	520.9	474.7	445.3	436.9
32.5°	6015.8	4272.4	1020.8	655.4	596.5	541.9	483.1	432.7	390.7	365.5	361.3
35°	5923.4	3986.7	802.4	596.5	537.7	478.9	420.1	369.7	327.7	306.7	298.3
37.5°	6020.0	3818.7	668.0	550.3	491.5	424.3	361.3	310.9	277.3	256.3	252.1
40°	6284.7	3680.1	579.7	508.3	445.3	373.9	315.1	264.7	235.3	218.5	210.0
42.5°	6692.2	3680.1	525.1	466.3	403.3	327.7	268.9	231.1	201.6	184.8	180.6
45°	7431.5	3793.5	478.9	424.3	352.9	281.5	231.1	193.2	163.8	147.0	142.8
47.5°	8469.2	4053.9	441.1	386.5	315.1	247.9	201.6	163.8	134.4	117.6	113.4
50°	9863.9	4646.3	403.3	340.3	281.5	214.2	168.0	130.2	105.0	88.2	84.0
52.5°	11603.1	5486.5	365.5	315.1	239.5	180.6	134.4	105.0	79.8	67.2	63.0
55°	13443.1	6515.7	319.3	281.5	205.8	151.2	109.2	79.8	58.8	50.4	46.2
57.5°	15295.8	7309.7	281.5	243.7	168.0	121.8	88.2	63.0	42.0	33.6	29.4
60°	16278.8	7385.3	243.7	201.6	134.4	96.6	67.2	46.2	29.4	21.0	16.8
62.5°	16430.0	6713.2	210.0	163.8	109.2	75.6	46.2	33.6	16.8	8.4	8.4
65°	15652.8	5595.7	180.6	130.2	84.0	54.6	33.6	21.0	8.4	4.2	0.0
67°	14392.5	4688.3	155.4	109.2	67.2	42.0	25.2	12.6	4.2	0.0	0.0
67.5°	13905.2	4436.2	147.0	100.8	63.0	37.8	21.0	12.6	4.2	0.0	0.0
70°	10792.3	3167.5	109.2	71.4	46.2	29.4	16.8	8.4	0.0	0.0	0.0
72.5°	6612.3	1852.6	84.0	50.4	33.6	21.0	12.6	4.2	0.0	0.0	0.0
75°	2772.6	638.5	71.4	37.8	25.2	12.6	8.4	4.2	0.0	0.0	0.0
77.5°	722.6	239.5	50.4	25.2	16.8	12.6	8.4	4.2	0.0	0.0	0.0
80°	294.1	109.2	33.6	16.8	16.8	12.6	8.4	4.2	0.0	0.0	0.0
82.5°	193.2	50.4	21.0	16.8	12.6	8.4	4.2	0.0	0.0	0.0	0.0
85°	147.0	29.4	12.6	12.6	8.4	4.2	0.0	0.0	0.0	0.0	0.0
87.5°	63.0	16.8	12.6	8.4	8.4	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)