

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: P484414

Luminaire Tested: **IFLD-S-SA6D-740-U-SL3-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484414
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-740-U-SL3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

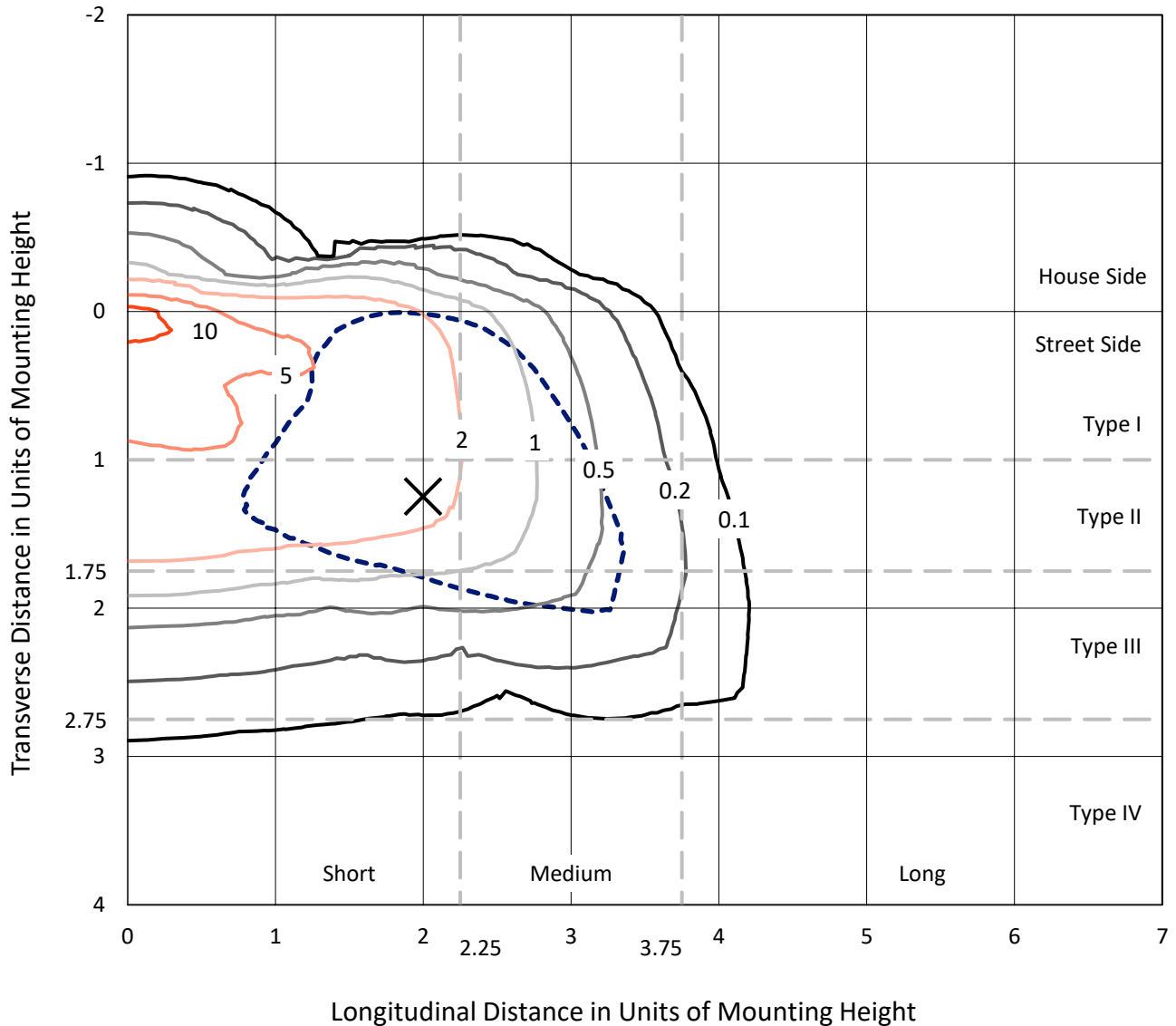
Lumens per Lamp: N/A
Luminaire Lumens: 38236.9 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

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

REPORT NUMBER: P484414
 CATALOG NUMBER: IFLD-S-SA6D-740-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

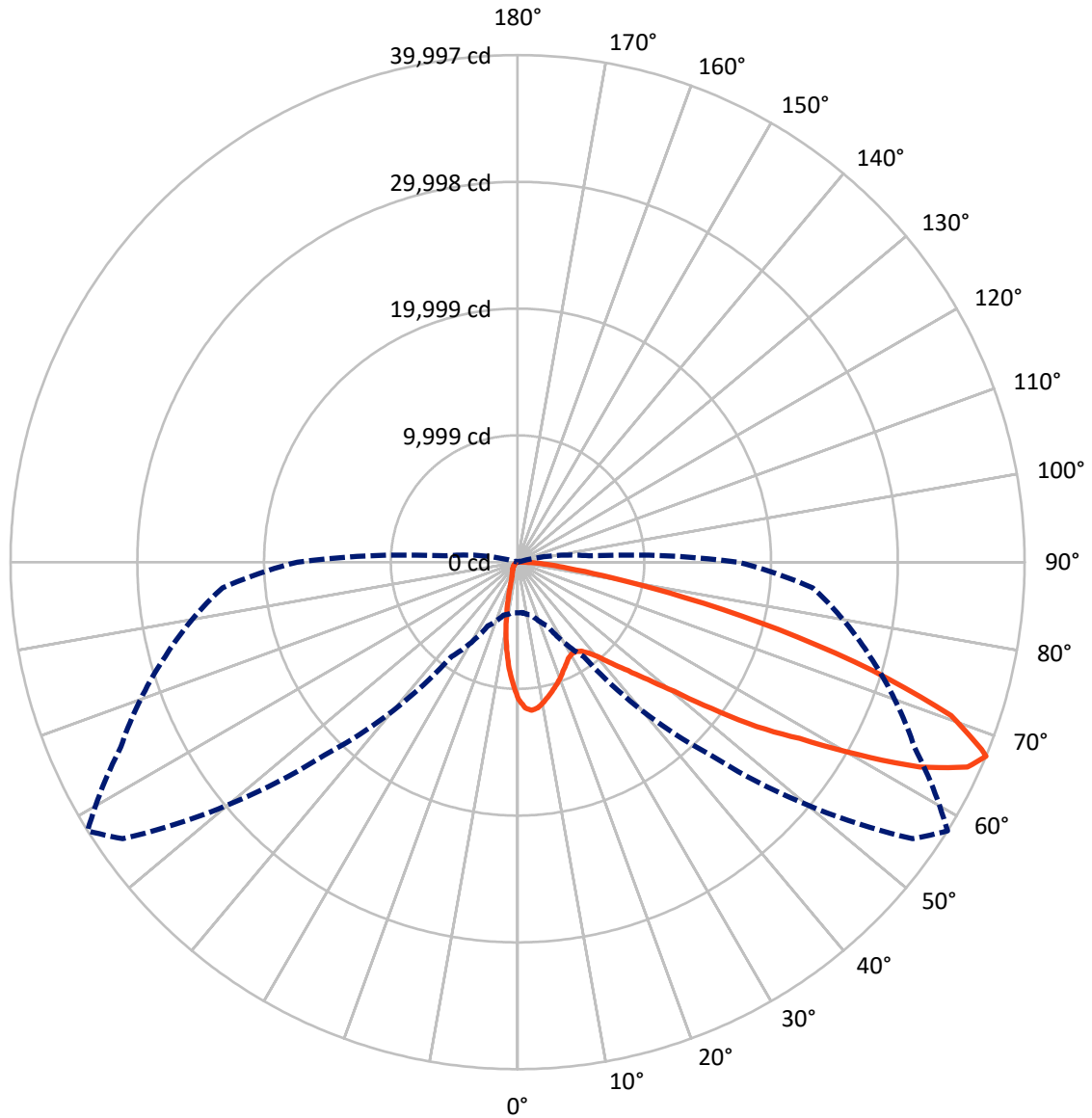
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 12.1 fc
 Type III - Short - N/A

REPORT NUMBER: P484414
CATALOG NUMBER: IFLD-S-SA6D-740-U-SL3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P484414

CATALOG NUMBER: IFLD-S-SA6D-740-U-SL3-HSS

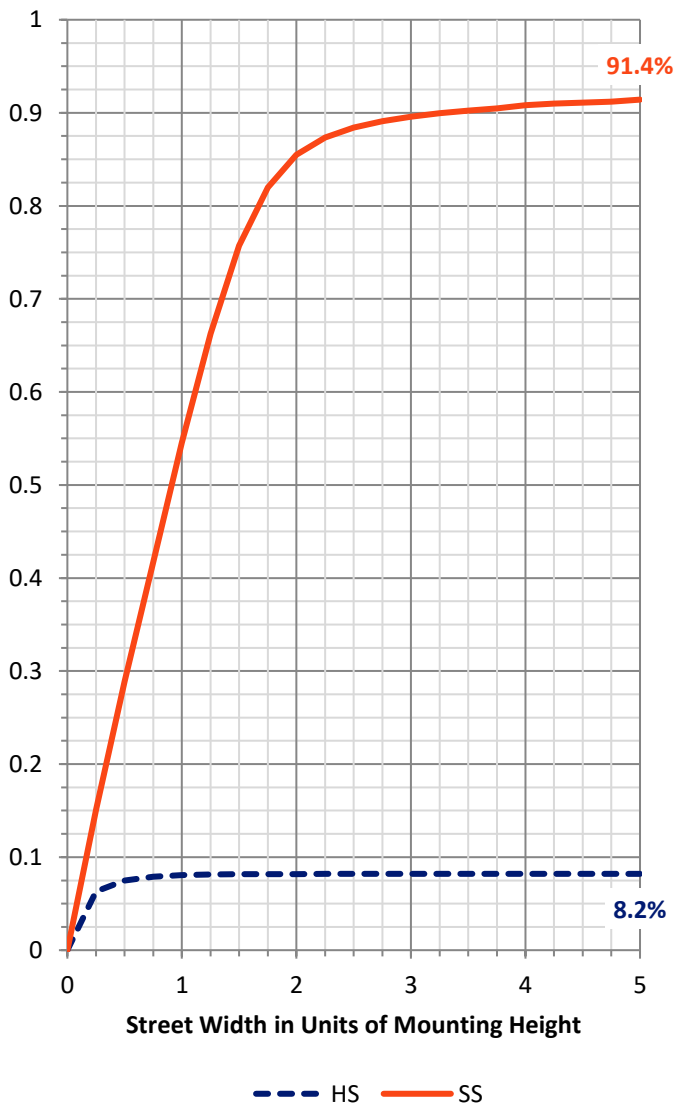
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3160.5	0.0	3160.5
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	35076.4	0.0	35076.4
	% Fixture	91.7	0.0	91.7
Total	Lumens	38236.9	0.0	38236.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	859.6	2.2
10°-20°	1782.9	4.7
20°-30°	2365.5	6.2
30°-40°	3277.8	8.6
40°-50°	5348.4	14.0
50°-60°	9400.8	24.6
60°-70°	10412.2	27.2
70°-80°	4314.8	11.3
80°-90°	475.0	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°	38236.9	100.0
0°-180°	38236.9	100.0

Coefficient of Utilization



REPORT NUMBER: P484414

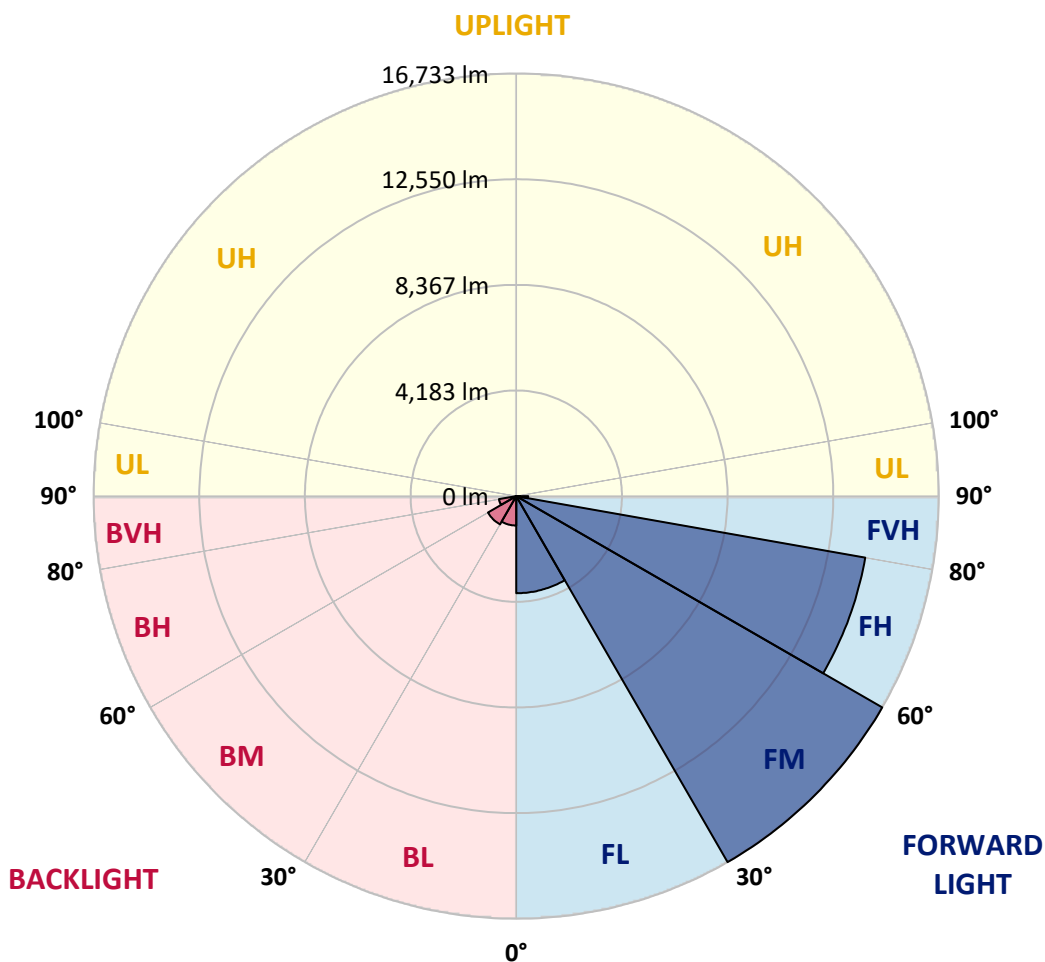
CATALOG NUMBER: IFLD-S-SA6D-740-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3843.9	10.1			
FM (30°-60°)	16733.3	43.8			
FH (60°-80°)	14032.1	36.7			G5
FVH (80°-90°)	467.2	1.2			G3/500
BL (0°-30°)	1164.0	3.0	B3/2500		
BM (30°-60°)	1293.8	3.4	B2/2500		
BH (60°-80°)	694.9	1.8	B2/1000		G2/1000
BVH (80°-90°)	7.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short





REPORT NUMBER: P484414

CATALOG NUMBER: IFLD-S-SA6D-740-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	10833.1	10833.1	10833.1	10833.1	10833.1	10833.1	10833.1	10833.1	10833.1	10833.1	10833.1
2.5°	11787.4	11828.0	11863.6	11797.6	11853.4	11772.2	11564.1	11518.4	11482.8	11173.2	10995.5
5°	11782.3	11736.7	11772.2	11802.6	11726.5	11787.4	11736.7	11741.7	11604.7	11325.5	10828.0
7.5°	10995.5	10975.2	10995.5	11142.7	11310.2	11442.2	11518.4	11594.5	11503.1	11086.9	10604.6
10°	9934.5	10036.1	10091.9	10355.9	10614.8	10858.4	11097.0	11239.2	11213.8	11046.3	10360.9
12.5°	9193.4	9162.9	9366.0	9538.6	9797.5	10289.9	10706.1	10838.1	10990.4	10756.9	10041.1
15°	8508.1	8426.8	8548.7	8848.2	9289.8	9680.7	10264.5	10462.5	10655.4	10716.3	9868.5
17.5°	7853.2	7893.8	8020.7	8289.8	8706.0	9254.3	9802.5	10086.8	10548.8	10467.5	9609.6
20°	7538.5	7624.8	7670.4	7807.5	8096.9	8645.1	9462.4	9690.9	10183.3	10462.5	9355.8
22.5°	7553.7	7553.7	7447.1	7528.3	7792.3	8218.7	9000.5	9254.3	10036.1	10198.5	9127.4
25°	7716.1	7614.6	7619.7	7523.2	7634.9	7868.4	8584.2	8893.9	9736.5	10223.9	9005.5
27.5°	7838.0	7817.7	7787.2	7761.8	7619.7	7655.2	8310.1	8563.9	9619.8	10193.4	8817.7
30°	8279.6	8188.2	8157.8	8101.9	7914.1	7741.5	8091.8	8411.6	9528.4	10264.5	8711.1
32.5°	8650.2	8665.4	8690.8	8528.4	8365.9	7939.5	8152.7	8406.5	9462.4	10426.9	8817.7
35°	9117.2	9183.2	9193.4	9142.6	8970.0	8548.7	8406.5	8624.8	9574.1	10716.3	8827.9
37.5°	9827.9	9756.9	9949.8	9970.1	9848.2	9289.8	8995.4	9081.7	9904.1	11178.2	9213.7
40°	10289.9	10376.2	10736.6	10960.0	10751.8	10244.2	9848.2	9833.0	10381.3	11904.2	9690.9
42.5°	10802.6	10995.5	11391.5	11873.7	11848.3	11376.2	10975.2	10909.2	11229.0	12955.0	10447.2
45°	11503.1	11675.7	12229.1	12955.0	13350.9	12949.9	12345.8	12213.8	12259.5	14386.5	11736.7
47.5°	12665.6	12619.9	13416.9	14132.7	14782.5	14472.8	14213.9	13828.1	13792.6	16071.9	13518.5
50°	13980.4	13970.3	14681.0	15493.2	16244.5	16848.6	16417.1	15995.8	16005.9	18361.4	15615.0
52.5°	15229.2	15427.2	16193.7	17000.9	18290.3	18940.1	19356.3	19188.8	18381.7	20407.2	17858.8
55°	15889.2	16061.7	16823.2	18214.1	20249.8	21919.9	23046.9	22904.7	21346.3	22711.8	20072.1
57.5°	15264.8	15381.5	16412.0	18234.5	21620.4	25346.5	26427.8	26250.1	24412.4	24473.4	22747.4
60°	12650.4	12833.2	14366.2	16503.4	21087.4	27986.2	31082.8	30813.8	27204.5	26701.9	24468.3
62.5°	8761.9	8883.7	10142.7	12802.7	18559.3	28905.1	35479.0	35626.2	30148.8	28438.0	24981.0
65°	5675.4	5665.3	6386.1	8188.2	13153.0	26123.2	38078.1	38991.9	32991.6	28702.0	24823.6
67°	4010.4	3995.1	4335.3	5553.6	9107.1	21524.0	38032.4	39997.0	34534.8	28778.1	23366.7
67.5°	3700.7	3685.5	4010.4	5106.9	8218.7	20016.3	37463.9	39479.2	35078.0	28671.5	22727.1
70°	2873.2	2832.6	2954.5	3517.9	4787.1	12944.8	32062.6	36265.8	33951.0	26011.5	18148.2
72.5°	2076.3	2121.9	2314.8	2888.5	3756.5	6964.8	24437.8	29326.4	28356.8	19605.1	11533.6
75°	1446.8	1487.4	1797.0	2355.5	3446.9	4223.6	16523.7	21270.1	19752.3	10822.9	4914.0
77.5°	756.4	807.1	1147.3	1883.3	3132.1	3269.2	9873.6	13488.0	10467.5	3853.0	1355.4
80°	350.3	375.7	573.6	1335.1	2619.4	2873.2	5756.6	7502.9	4188.0	863.0	467.0
82.5°	152.3	167.5	264.0	766.5	1858.0	2512.8	3563.6	3934.2	1517.8	279.2	289.4
85°	30.5	35.5	101.5	406.1	898.5	1522.9	2502.7	2335.1	761.5	137.1	228.4
87.5°	0.0	0.0	25.4	116.8	243.7	451.8	1061.0	1061.0	233.5	71.1	86.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P484414

CATALOG NUMBER: IFLD-S-SA6D-740-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10833.1	10833.1	10833.1	10833.1	10833.1	10833.1	10833.1	10833.1	10833.1	10833.1	10833.1
2.5°	10838.1	10655.4	10254.3	9883.8	9619.8	9320.3	8924.3	8746.6	8680.7	8589.3	8452.2
5°	10553.8	10330.5	9645.2	8954.8	8198.4	7624.8	7015.6	6660.2	6391.2	6223.7	6167.8
7.5°	10152.8	9695.9	8772.0	7665.4	6685.6	5832.8	4908.9	4284.5	3883.5	3721.0	3568.7
10°	9833.0	9239.1	7832.9	6457.2	5152.6	3903.8	2863.1	2314.8	1898.6	1741.2	1720.9
12.5°	9416.7	8706.0	6954.7	5223.6	3583.9	2325.0	1583.8	1375.7	1258.9	1238.6	1223.4
15°	9071.5	8223.8	6122.1	4045.9	2319.9	1451.9	1233.6	1182.8	1152.3	1142.2	1147.3
17.5°	8838.0	7706.0	5269.3	2944.3	1528.0	1187.9	1137.1	1106.7	1091.4	1086.4	1071.1
20°	8376.1	7269.4	4426.6	2061.0	1193.0	1096.5	1055.9	1030.5	1015.3	1010.2	1005.1
22.5°	8112.1	6716.1	3583.9	1436.6	1061.0	995.0	964.5	944.2	918.8	903.6	898.5
25°	7848.1	6310.0	2832.6	1116.8	964.5	918.8	873.1	847.8	807.1	786.8	781.8
27.5°	7538.5	5908.9	2182.9	969.6	868.1	822.4	776.7	736.1	685.3	665.0	654.9
30°	7360.8	5518.1	1644.8	868.1	797.0	736.1	680.2	629.5	573.6	538.1	527.9
32.5°	7269.4	5162.7	1233.6	791.9	720.8	654.9	583.8	522.9	472.1	441.6	436.6
35°	7157.7	4817.5	969.6	720.8	649.8	578.7	507.6	446.7	396.0	370.6	360.4
37.5°	7274.5	4614.5	807.1	665.0	593.9	512.7	436.6	375.7	335.0	309.7	304.6
40°	7594.3	4446.9	700.5	614.2	538.1	451.8	380.7	319.8	284.3	264.0	253.8
42.5°	8086.7	4446.9	634.6	563.5	487.3	396.0	324.9	279.2	243.7	223.4	218.3
45°	8980.2	4584.0	578.7	512.7	426.4	340.1	279.2	233.5	198.0	177.7	172.6
47.5°	10234.0	4898.7	533.0	467.0	380.7	299.5	243.7	198.0	162.4	142.1	137.1
50°	11919.4	5614.5	487.3	411.2	340.1	258.9	203.1	157.4	126.9	106.6	101.5
52.5°	14021.0	6629.8	441.6	380.7	289.4	218.3	162.4	126.9	96.5	81.2	76.1
55°	16244.5	7873.5	385.8	340.1	248.7	182.8	132.0	96.5	71.1	60.9	55.8
57.5°	18483.2	8832.9	340.1	294.4	203.1	147.2	106.6	76.1	50.8	40.6	35.5
60°	19671.1	8924.3	294.4	243.7	162.4	116.8	81.2	55.8	35.5	25.4	20.3
62.5°	19853.8	8112.1	253.8	198.0	132.0	91.4	55.8	40.6	20.3	10.2	10.2
65°	18914.7	6761.8	218.3	157.4	101.5	66.0	40.6	25.4	10.2	5.1	0.0
67°	17391.8	5665.3	187.8	132.0	81.2	50.8	30.5	15.2	5.1	0.0	0.0
67.5°	16802.9	5360.7	177.7	121.8	76.1	45.7	25.4	15.2	5.1	0.0	0.0
70°	13041.3	3827.6	132.0	86.3	55.8	35.5	20.3	10.2	0.0	0.0	0.0
72.5°	7990.3	2238.7	101.5	60.9	40.6	25.4	15.2	5.1	0.0	0.0	0.0
75°	3350.4	771.6	86.3	45.7	30.5	15.2	10.2	5.1	0.0	0.0	0.0
77.5°	873.1	289.4	60.9	30.5	20.3	15.2	10.2	5.1	0.0	0.0	0.0
80°	355.3	132.0	40.6	20.3	20.3	15.2	10.2	5.1	0.0	0.0	0.0
82.5°	233.5	60.9	25.4	20.3	15.2	10.2	5.1	0.0	0.0	0.0	0.0
85°	177.7	35.5	15.2	15.2	10.2	5.1	0.0	0.0	0.0	0.0	0.0
87.5°	76.1	20.3	15.2	10.2	10.2	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)