

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P634779

Luminaire Tested: GWS-SA3C-740-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11698 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

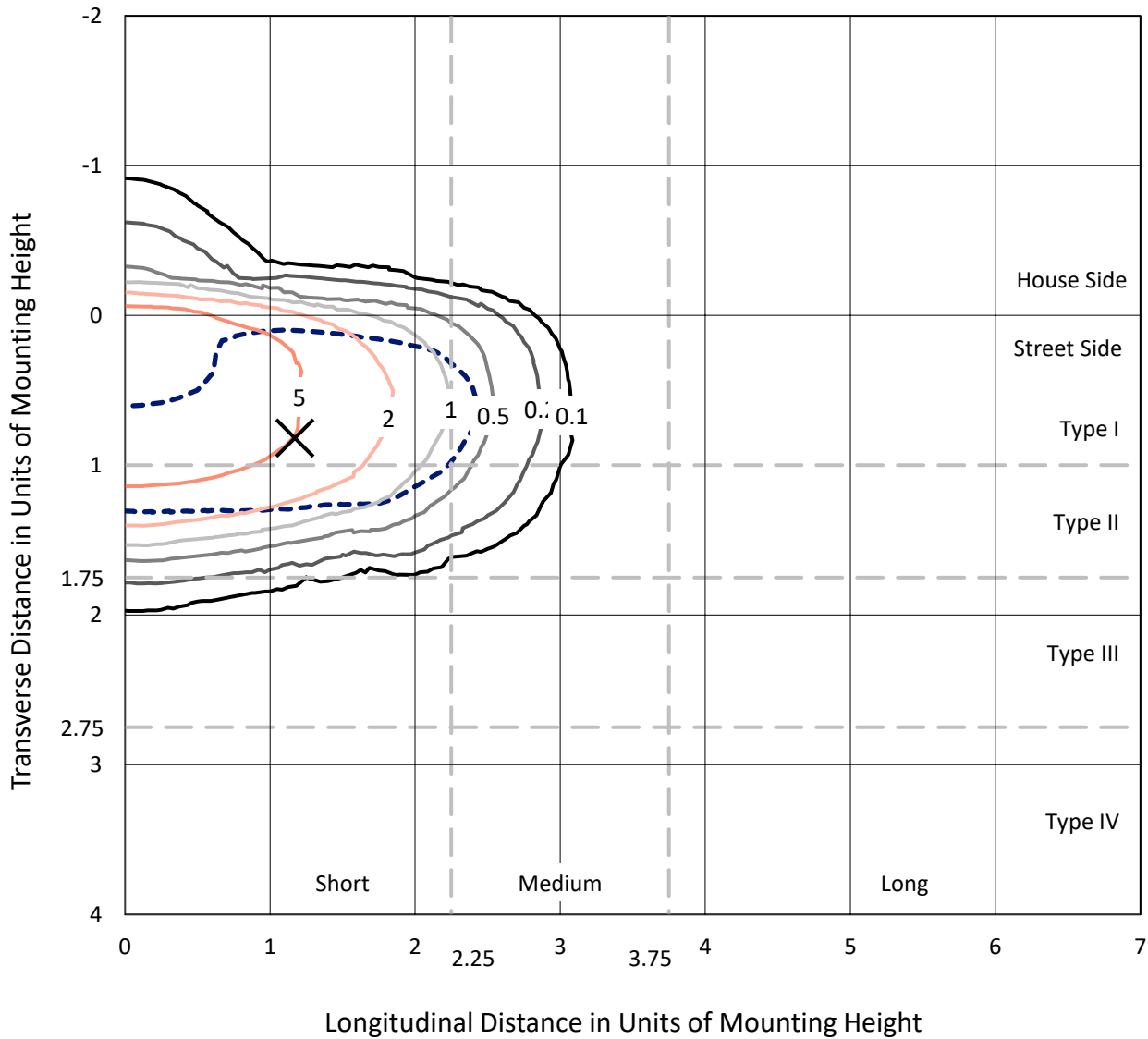
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

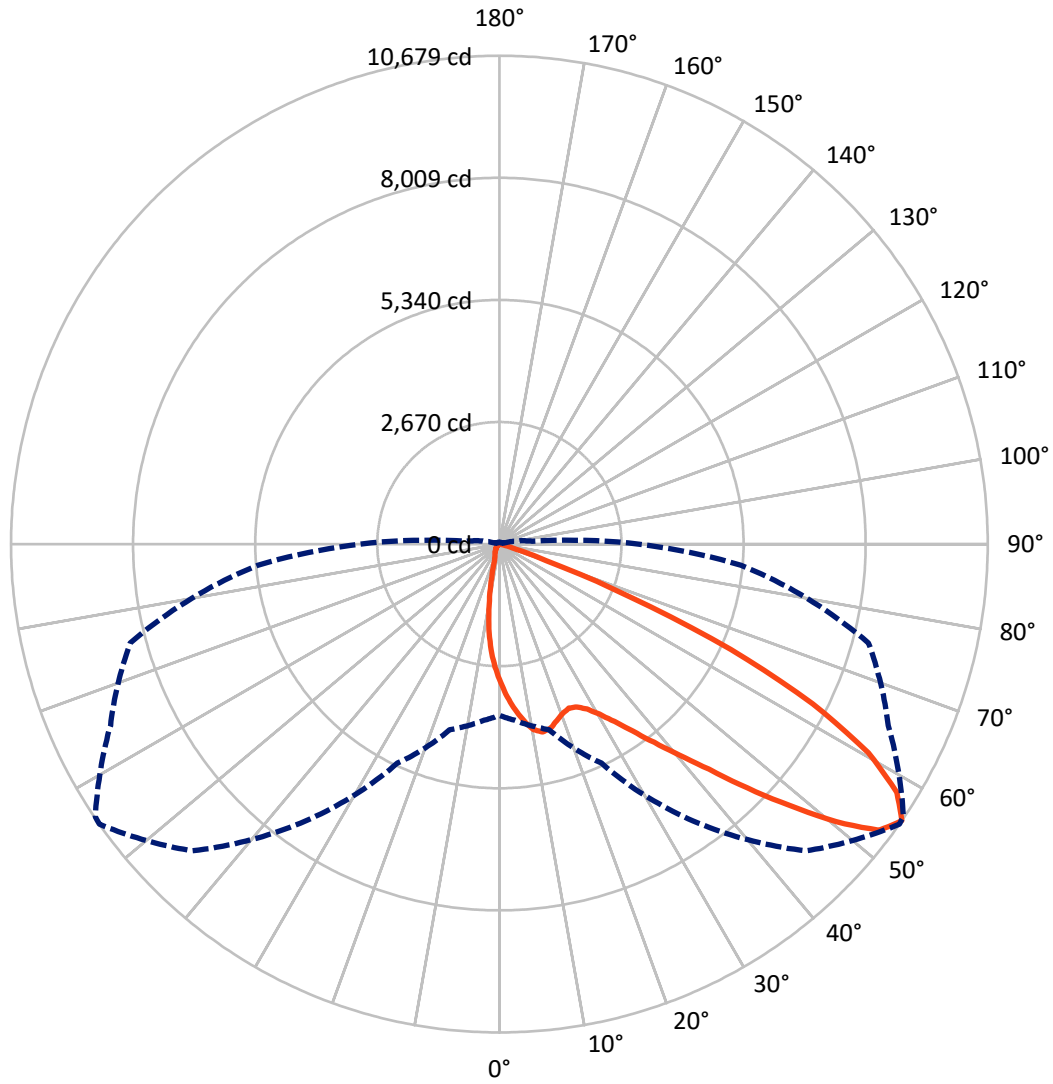
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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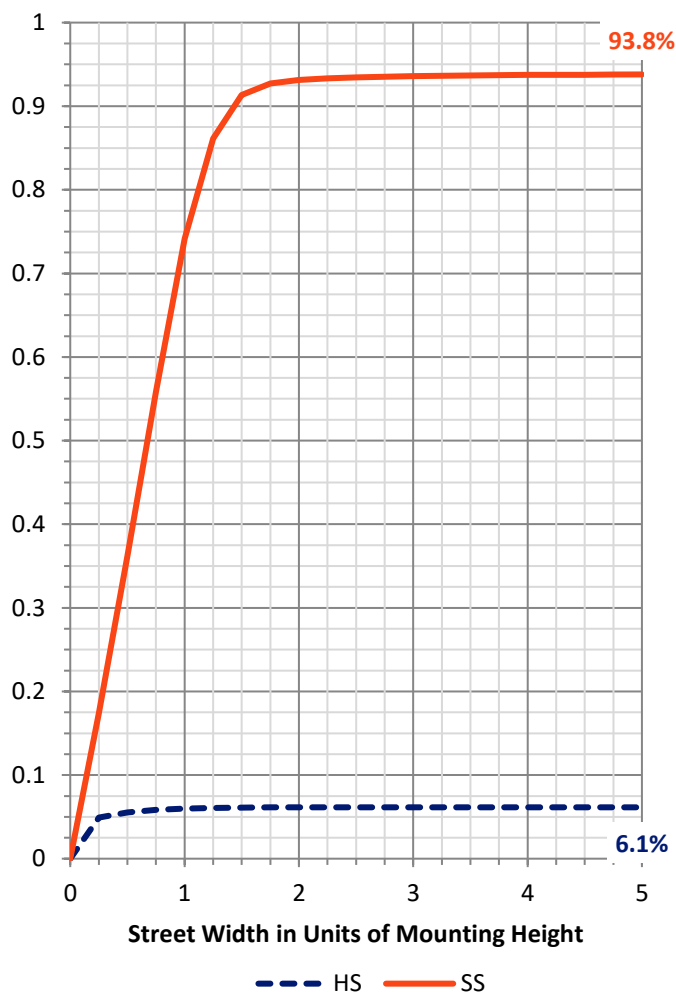
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	721.8	0.0	721.8
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	10976.2	0.0	10976.2
	% Fixture	93.8	0.0	93.8
Total	Lumens	11698.0	0.0	11698.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.1	2.3
10°-20°	643.9	5.5
20°-30°	1072.3	9.2
30°-40°	1827.3	15.6
40°-50°	2982.8	25.5
50°-60°	3122.9	26.7
60°-70°	1575.1	13.5
70°-80°	199.0	1.7
80°-90°	7.6	0.1
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°	11698.0	100.0
0°-180°	11698.0	100.0

Coefficient of Utilization



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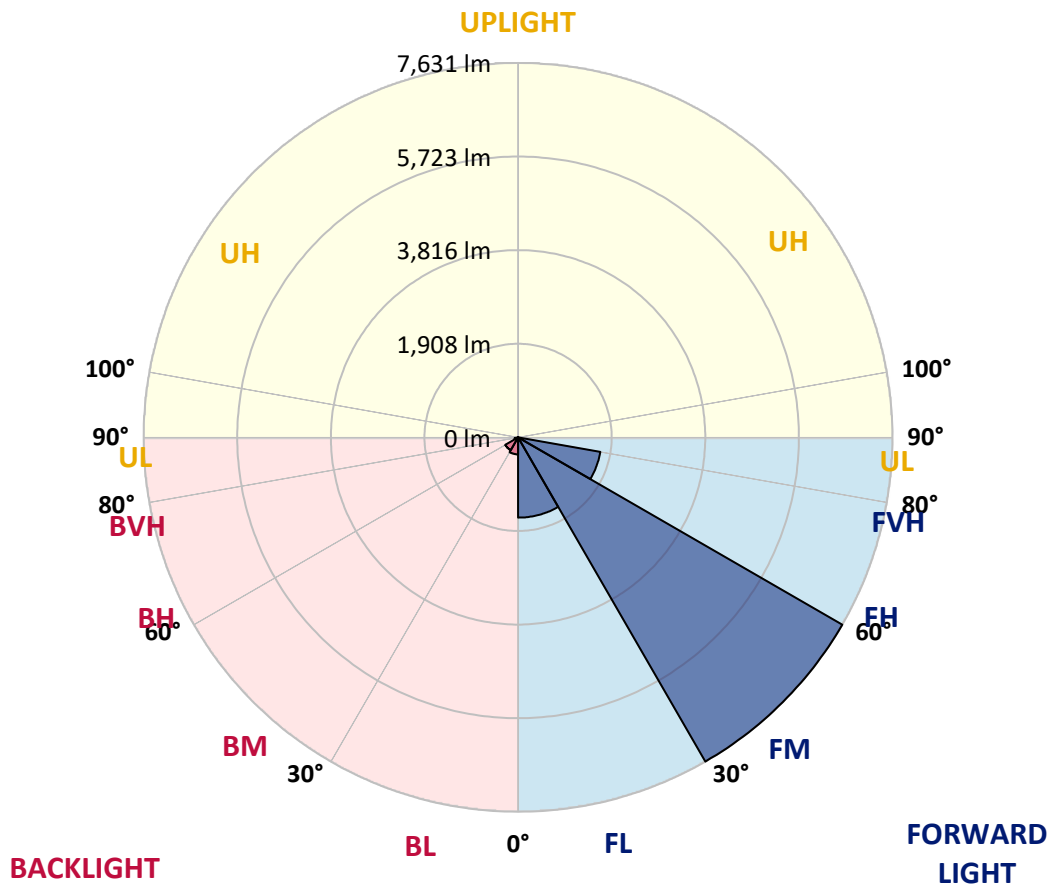
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1636.4	14.0			
FM (30°-60°)	7631.2	65.2			
FH (60°-80°)	1701.7	14.5			G1/1800
FVH (80°-90°)	6.9	0.1			G0/10
BL (0°-30°)	346.9	3.0	B1/500		
BM (30°-60°)	301.8	2.6	B1/1000		
BH (60°-80°)	72.4	0.6	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3022.1	3022.1	3022.1	3022.1	3022.1	3022.1	3022.1	3022.1	3022.1	3022.1	3022.1
2.5°	3523.1	3506.1	3532.1	3502.1	3451.1	3408.1	3352.1	3332.1	3242.1	3157.1	3075.1
5°	3951.1	3956.1	3948.1	3906.1	3834.1	3754.1	3641.1	3616.1	3459.1	3297.1	3122.1
7.5°	4057.1	4054.1	4071.1	4087.1	4075.1	4035.1	3912.1	3887.1	3692.1	3449.1	3194.1
10°	3730.1	3732.1	3767.1	3875.1	4009.1	4148.1	4129.1	4115.1	3924.1	3621.1	3274.1
12.5°	3268.1	3286.1	3323.1	3477.1	3704.1	4020.1	4216.1	4230.1	4137.1	3810.1	3368.1
15°	3068.1	3072.1	3102.1	3195.1	3364.1	3754.1	4179.1	4218.1	4315.1	4000.1	3470.1
17.5°	3063.1	3068.1	3081.1	3122.1	3232.1	3545.1	4060.1	4128.1	4449.1	4204.1	3592.1
20°	3251.1	3248.1	3239.1	3217.1	3265.1	3476.1	3950.1	4025.1	4522.1	4403.1	3715.1
22.5°	3592.1	3588.1	3548.1	3457.1	3418.1	3539.1	3896.1	3964.1	4566.1	4580.1	3816.1
25°	3985.1	4013.1	3938.1	3800.1	3704.1	3700.1	3944.1	3992.1	4604.1	4737.1	3885.1
27.5°	4416.1	4425.1	4361.1	4206.1	4067.1	3958.1	4083.1	4119.1	4646.1	4877.1	3924.1
30°	4889.1	4886.1	4813.1	4633.1	4464.1	4307.1	4317.1	4331.1	4744.1	5037.1	3967.1
32.5°	5480.1	5493.1	5363.1	5118.1	4915.1	4698.1	4623.1	4625.1	4921.1	5243.1	4032.1
35°	6283.2	6251.2	6079.2	5730.1	5384.1	5150.1	5022.1	5011.1	5194.1	5520.1	4145.1
37.5°	7048.2	7051.2	6871.2	6487.2	6050.2	5681.1	5500.1	5470.1	5578.1	5904.2	4333.1
40°	7579.2	7589.2	7514.2	7313.2	6850.2	6328.2	6062.2	6031.2	6076.2	6390.2	4579.1
42.5°	7860.2	7888.2	7909.2	7956.2	7605.2	7136.2	6727.2	6724.2	6677.2	6944.2	4864.1
45°	7871.2	7913.2	8041.2	8362.2	8402.2	8058.2	7613.2	7546.2	7365.2	7537.2	5119.1
47.5°	7436.2	7533.2	7805.2	8441.2	8861.2	8975.2	8534.2	8493.2	7985.2	8006.2	5310.1
50°	6422.2	6523.2	7024.2	8036.2	8977.2	9703.3	9545.2	9460.2	8503.2	8316.2	5402.1
52.5°	5382.1	5474.1	5814.2	7072.2	8496.2	9932.3	10397.3	10296.3	8968.2	8424.2	5364.1
55°	3745.1	3868.1	4200.1	5286.1	7388.2	9486.2	10679.3	10658.3	9383.2	8356.2	5305.1
57.5°	1836.0	1958.1	2289.1	3259.1	5473.1	8282.2	10248.3	10359.3	9631.2	8283.2	5257.1
60°	767.0	817.0	931.0	1430.0	3062.1	6259.2	9275.2	9429.2	9479.2	8184.2	5252.1
62.5°	445.0	453.0	465.0	593.0	1191.0	3588.1	7694.2	7913.2	8680.2	8053.2	5173.1
65°	336.0	339.0	334.0	364.0	492.0	1361.0	5559.1	5857.2	7245.2	7541.2	4861.1
67.5°	276.0	276.0	263.0	269.0	309.0	510.0	3069.1	3485.1	5361.1	6198.2	4014.1
70°	220.0	225.0	219.0	211.0	221.0	282.0	1092.0	1354.0	3122.1	3660.1	2341.1
72.5°	167.0	167.0	177.0	171.0	164.0	177.0	381.0	428.0	1253.0	1526.0	845.0
75°	129.0	133.0	140.0	134.0	124.0	105.0	183.0	194.0	378.0	355.0	189.0
77.5°	66.0	67.0	89.0	98.0	92.0	64.0	80.0	88.0	123.0	110.0	70.0
80°	40.0	42.0	50.0	77.0	61.0	34.0	33.0	35.0	58.0	50.0	29.0
82.5°	17.0	18.0	28.0	28.0	25.0	13.0	13.0	13.0	28.0	26.0	12.0
85°	0.0	0.0	5.0	4.0	4.0	5.0	5.0	5.0	7.0	10.0	6.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	3.0
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°	3022.1	3022.1	3022.1	3022.1	3022.1	3022.1	3022.1	3022.1	3022.1	3022.1	3022.1
2.5°	3022.1	2958.1	2872.1	2794.1	2689.1	2630.1	2548.1	2481.1	2424.1	2406.1	2398.1
5°	3023.1	2913.1	2729.1	2545.1	2319.1	2141.1	1958.1	1813.0	1694.0	1656.0	1646.0
7.5°	3043.1	2881.1	2583.1	2249.1	1871.0	1559.0	1280.0	1030.0	914.0	875.0	867.0
10°	3070.1	2854.1	2414.1	1894.0	1351.0	950.0	673.0	513.0	437.0	395.0	401.0
12.5°	3105.1	2832.1	2227.1	1510.0	894.0	522.0	370.0	310.0	294.0	286.0	282.0
15°	3152.1	2806.1	1995.1	1129.0	548.0	336.0	285.0	269.0	263.0	259.0	258.0
17.5°	3200.1	2776.1	1759.0	794.0	364.0	279.0	256.0	248.0	244.0	241.0	240.0
20°	3251.1	2725.1	1482.0	547.0	287.0	251.0	236.0	227.0	222.0	217.0	216.0
22.5°	3273.1	2643.1	1217.0	383.0	255.0	231.0	212.0	201.0	195.0	191.0	191.0
25°	3252.1	2510.1	943.0	291.0	232.0	209.0	190.0	178.0	173.0	169.0	169.0
27.5°	3196.1	2339.1	688.0	241.0	207.0	186.0	168.0	157.0	153.0	151.0	151.0
30°	3134.1	2123.1	485.0	207.0	179.0	162.0	147.0	140.0	139.0	137.0	137.0
32.5°	3081.1	1921.0	334.0	182.0	158.0	141.0	131.0	128.0	129.0	127.0	128.0
35°	3052.1	1723.0	248.0	162.0	141.0	125.0	120.0	120.0	120.0	119.0	119.0
37.5°	3064.1	1528.0	202.0	148.0	126.0	114.0	109.0	111.0	113.0	113.0	113.0
40°	3124.1	1355.0	179.0	135.0	113.0	104.0	100.0	103.0	106.0	108.0	108.0
42.5°	3200.1	1215.0	162.0	124.0	104.0	94.0	92.0	95.0	98.0	100.0	100.0
45°	3248.1	1074.0	145.0	110.0	95.0	83.0	83.0	87.0	86.0	87.0	87.0
47.5°	3270.1	962.0	128.0	95.0	81.0	72.0	73.0	75.0	73.0	75.0	75.0
50°	3216.1	849.0	113.0	79.0	67.0	63.0	65.0	64.0	64.0	68.0	68.0
52.5°	3117.1	765.0	100.0	67.0	57.0	56.0	58.0	54.0	55.0	55.0	54.0
55°	3044.1	717.0	89.0	58.0	49.0	50.0	49.0	42.0	38.0	34.0	33.0
57.5°	3008.1	698.0	81.0	52.0	44.0	44.0	40.0	29.0	22.0	17.0	15.0
60°	3000.1	675.0	73.0	45.0	39.0	37.0	29.0	17.0	11.0	8.0	7.0
62.5°	2924.1	619.0	66.0	36.0	34.0	30.0	18.0	10.0	6.0	4.0	3.0
65°	2675.1	509.0	59.0	28.0	26.0	22.0	11.0	6.0	3.0	1.0	0.0
67.5°	2128.1	361.0	52.0	21.0	18.0	14.0	7.0	4.0	1.0	0.0	0.0
70°	1227.0	195.0	43.0	15.0	12.0	9.0	5.0	2.0	0.0	0.0	0.0
72.5°	410.0	91.0	33.0	10.0	9.0	7.0	3.0	1.0	0.0	0.0	0.0
75°	90.0	54.0	22.0	7.0	6.0	5.0	2.0	0.0	0.0	0.0	0.0
77.5°	34.0	38.0	11.0	5.0	4.0	3.0	1.0	0.0	0.0	0.0	0.0
80°	13.0	25.0	5.0	3.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0
82.5°	7.0	10.0	3.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.0	5.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	1.0	1.0	1.0	0.0	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)