

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: P640367

Luminaire Tested: GWS-SA5D-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-760-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25868.2 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

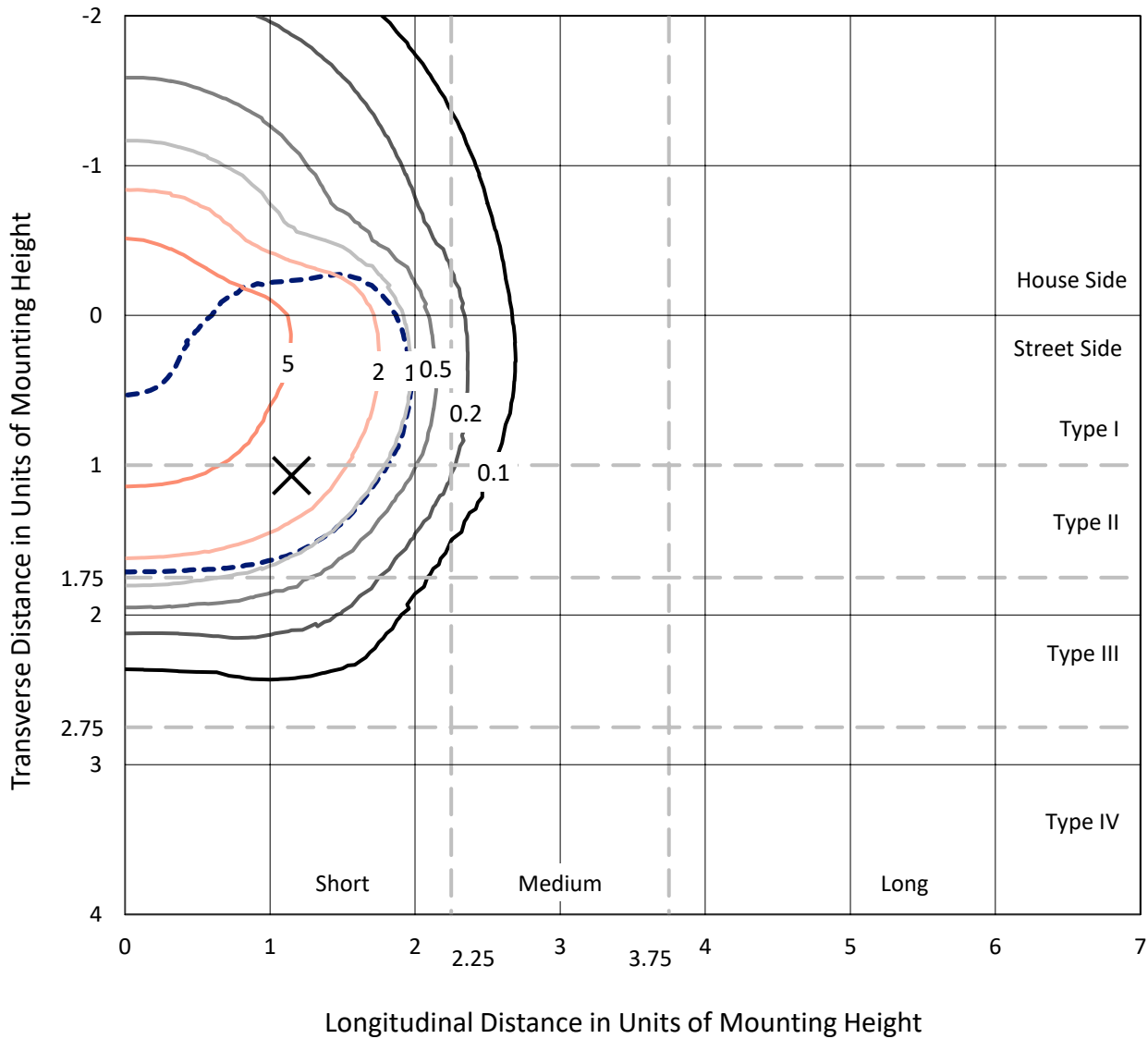
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

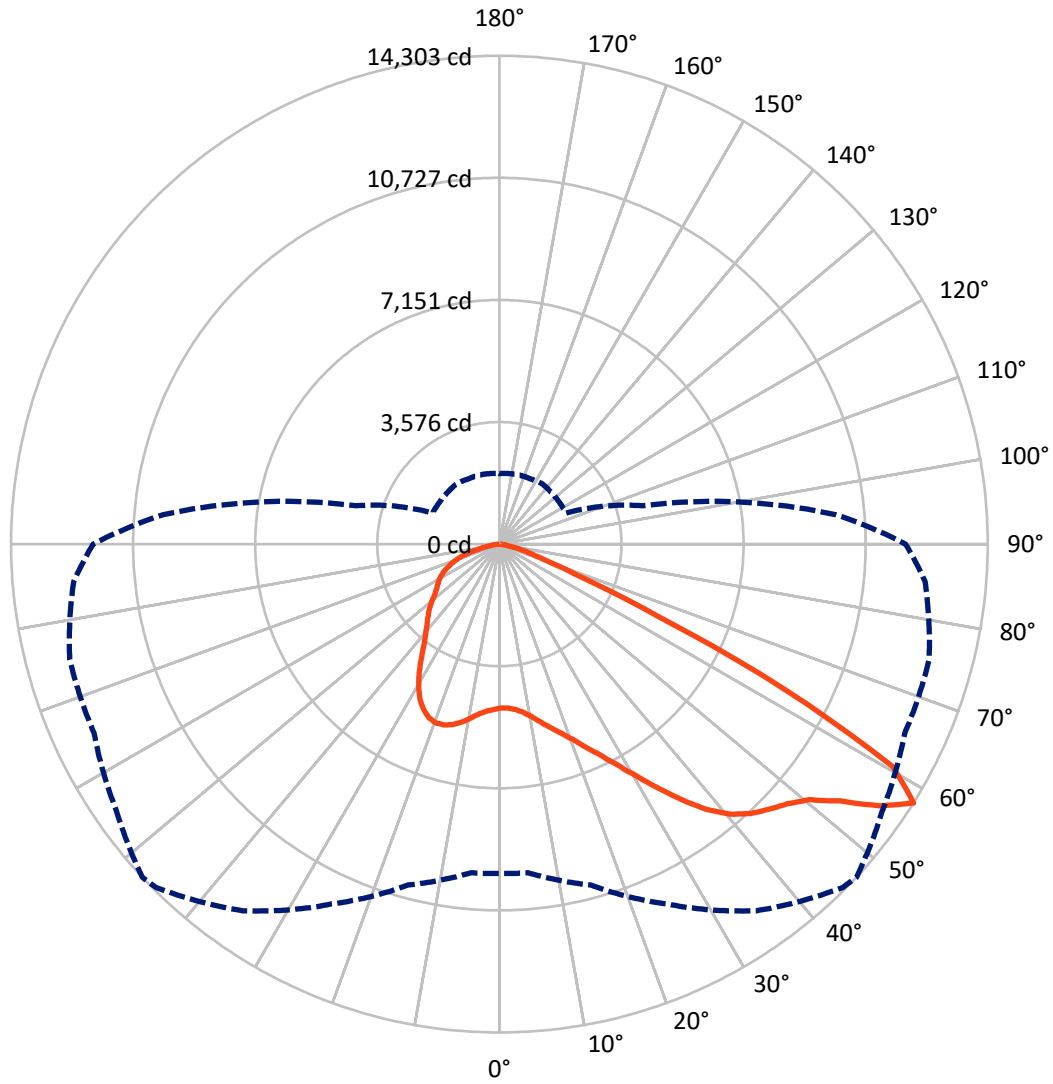
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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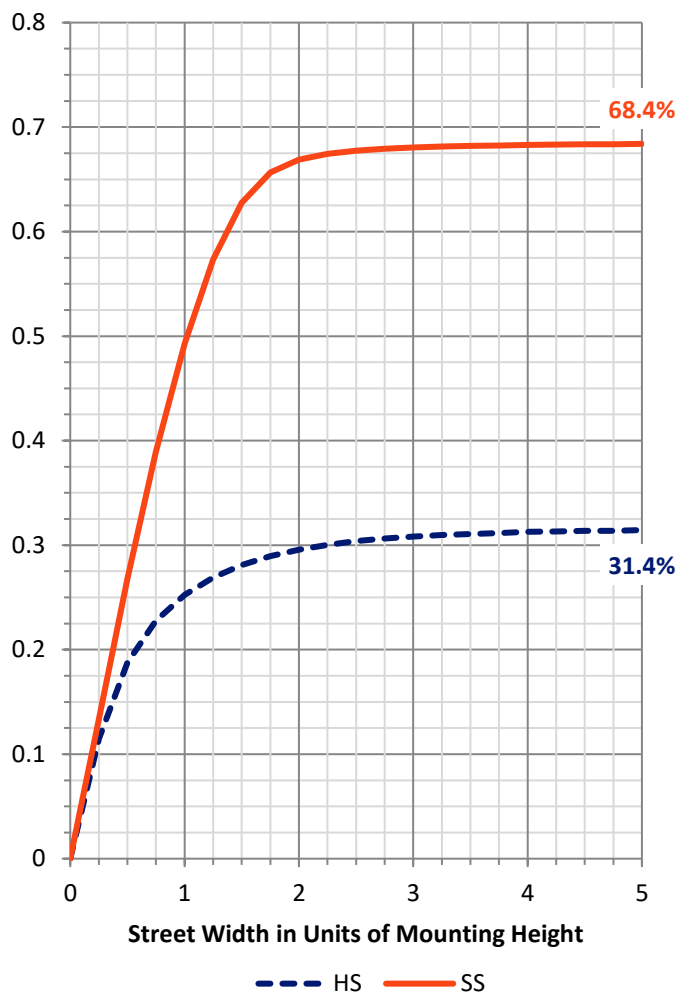
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8187.2	0.0	8187.2
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	17681.0	0.0	17681.0
	% Fixture	68.4	0.0	68.4
Total	Lumens	25868.2	0.0	25868.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.2	1.8
10°-20°	1556.3	6.0
20°-30°	2802.2	10.8
30°-40°	4232.4	16.4
40°-50°	5699.5	22.0
50°-60°	6848.7	26.5
60°-70°	3335.4	12.9
70°-80°	821.7	3.2
80°-90°	98.8	0.4
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°	25868.2	100.0
0°-180°	25868.2	100.0

Coefficient of Utilization



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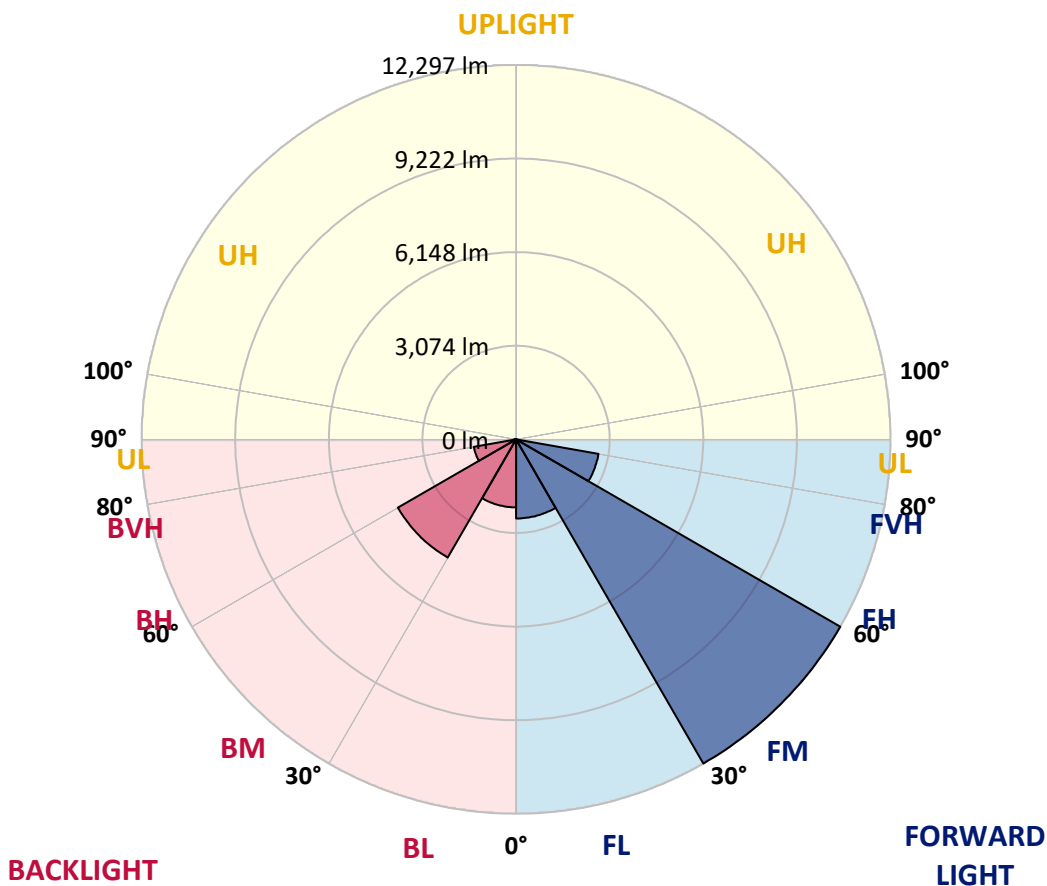
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2598.3	10.0			
FM (30°-60°)	12296.5	47.5			
FH (60°-80°)	2749.0	10.6			G2/5000
FVH (80°-90°)	37.1	0.1			G1/100
BL (0°-30°)	2233.3	8.6	B3/2500		
BM (30°-60°)	4484.1	17.3	B3/5000		
BH (60°-80°)	1408.2	5.4	B3/2500		G3/2500
BVH (80°-90°)	61.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	4797.3	4797.3	4797.3	4797.3	4797.3	4797.3	4797.3	4797.3	4797.3	4797.3	4797.3
2.5°	4788.6	4786.4	4786.4	4799.5	4799.5	4803.8	4810.3	4816.8	4819.0	4808.2	4784.3
5°	4840.7	4840.7	4840.7	4851.6	4851.6	4856.0	4864.6	4866.8	4864.6	4847.3	4823.4
7.5°	4923.3	4923.3	4925.5	4938.5	4949.4	4955.9	4971.1	4968.9	4962.4	4934.2	4903.8
10°	5058.0	5064.5	5071.1	5086.3	5108.0	5123.2	5134.1	5134.1	5125.4	5081.9	5042.8
12.5°	5249.2	5257.9	5264.4	5277.5	5294.8	5320.9	5344.8	5344.8	5333.9	5279.6	5221.0
15°	5473.0	5481.7	5479.5	5483.9	5516.5	5553.4	5572.9	5586.0	5590.3	5514.3	5423.0
17.5°	5729.4	5738.1	5729.4	5716.3	5720.7	5779.3	5814.1	5861.9	5890.2	5788.0	5642.5
20°	5961.9	5953.2	5953.2	5961.9	5974.9	6046.6	6098.7	6177.0	6211.7	6087.9	5861.9
22.5°	6207.4	6226.9	6218.2	6218.2	6270.4	6389.9	6452.9	6555.0	6591.9	6431.2	6127.0
25°	6524.6	6542.0	6537.6	6542.0	6602.8	6772.3	6835.3	7024.3	7061.2	6830.9	6420.3
27.5°	6872.2	6900.5	6913.5	6909.1	7006.9	7228.5	7306.7	7569.6	7637.0	7278.5	6733.2
30°	7324.1	7354.5	7365.4	7361.1	7476.2	7778.2	7867.3	8167.1	8262.7	7808.6	7130.8
32.5°	7847.7	7878.2	7910.8	7923.8	8071.5	8380.1	8508.2	8818.9	8955.8	8421.3	7610.9
35°	8367.0	8393.1	8456.1	8558.2	8760.3	9075.3	9188.3	9494.6	9627.2	9057.9	8191.0
37.5°	8940.6	8958.0	9012.3	9153.5	9444.7	9744.5	9857.5	10150.8	10166.0	9672.8	8847.2
40°	9568.5	9568.5	9557.7	9696.7	10000.9	10302.9	10400.7	10570.1	10481.0	10146.5	9486.0
42.5°	10100.8	10092.1	10100.8	10231.2	10457.1	10702.7	10787.4	10754.8	10641.8	10509.3	10063.9
45°	10581.0	10587.5	10665.7	10765.7	10883.0	11028.6	11078.5	10893.9	10791.7	10800.4	10526.7
47.5°	10906.9	10913.4	11095.9	11263.2	11334.9	11380.5	11358.8	11102.4	11050.3	11148.1	10883.0
50°	10950.3	10985.1	11300.2	11643.4	11821.6	11828.1	11767.3	11454.4	11439.2	11550.0	11074.2
52.5°	10959.0	10993.8	11387.1	12006.3	12469.1	12566.8	12497.3	12171.4	12012.8	11902.0	11308.8
55°	10926.4	10965.6	11400.1	12249.6	13136.1	13527.2	13533.7	13073.1	12566.8	12493.0	11978.0
57.5°	9646.7	9661.9	10335.5	11630.4	13110.0	14218.1	14302.8	13677.1	13099.1	13029.6	12514.7
60°	6720.1	6781.0	7513.2	9223.1	11013.4	12966.6	13240.4	13057.9	12671.1	12164.9	10737.4
62.5°	3365.5	3417.6	4152.0	5768.5	7595.7	9138.3	9431.6	9625.0	9716.3	9173.1	7311.1
65°	1449.2	1488.3	1944.6	3013.5	4299.7	5045.0	5147.1	5379.6	5948.8	5307.9	3939.1
67.5°	969.0	995.1	1227.6	1838.1	2533.4	2581.2	2565.9	2615.9	2739.8	2261.8	1779.4
70°	743.1	764.8	921.2	1347.1	1820.7	1557.8	1475.3	1338.4	1453.5	1481.8	1442.7
72.5°	538.8	556.2	673.5	919.0	1140.7	995.1	982.1	1051.6	1208.0	1251.5	1227.6
75°	347.6	356.3	428.0	504.1	588.8	638.8	664.8	790.9	949.5	982.1	953.8
77.5°	232.5	239.0	280.3	323.7	334.6	336.8	345.5	401.9	510.6	571.4	564.9
80°	121.7	121.7	136.9	136.9	156.4	186.9	195.5	232.5	282.4	312.9	315.0
82.5°	47.8	50.0	58.7	65.2	78.2	95.6	102.1	121.7	147.7	169.5	189.0
85°	19.6	21.7	23.9	28.2	34.8	43.5	45.6	52.1	69.5	86.9	97.8
87.5°	0.0	0.0	2.2	2.2	4.3	6.5	6.5	8.7	10.9	19.6	26.1
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°	4797.3	4797.3	4797.3	4797.3	4797.3	4797.3	4797.3	4797.3	4797.3	4797.3	4797.3
2.5°	4812.5	4784.3	4812.5	4821.2	4845.1	4853.8	4838.6	4836.4	4836.4	4814.7	4808.2
5°	4845.1	4819.0	4847.3	4860.3	4895.1	4916.8	4921.1	4938.5	4949.4	4940.7	4938.5
7.5°	4925.5	4892.9	4923.3	4942.9	4988.5	5023.3	5038.5	5077.6	5105.8	5101.5	5099.3
10°	5066.7	5023.3	5058.0	5090.6	5140.6	5181.9	5184.0	5205.8	5234.0	5225.3	5221.0
12.5°	5229.7	5188.4	5227.5	5260.1	5318.7	5336.1	5307.9	5299.2	5303.5	5292.7	5284.0
15°	5429.5	5370.9	5405.6	5442.6	5475.2	5455.6	5394.8	5370.9	5368.7	5353.5	5344.8
17.5°	5629.4	5555.6	5581.6	5601.2	5586.0	5525.1	5449.1	5407.8	5388.3	5357.8	5349.2
20°	5827.1	5733.7	5729.4	5714.2	5644.6	5533.8	5431.7	5349.2	5299.2	5257.9	5242.7
22.5°	6053.1	5922.7	5857.6	5788.0	5636.0	5455.6	5301.4	5184.0	5103.6	5051.5	5034.1
25°	6296.4	6111.8	5977.1	5838.0	5549.0	5288.3	5073.2	4912.4	4816.8	4760.4	4740.8
27.5°	6537.6	6283.4	6081.4	5844.5	5375.2	5047.2	4758.2	4540.9	4445.3	4399.7	4384.5
30°	6863.5	6511.5	6205.2	5759.8	5147.1	4712.6	4351.9	4132.5	4069.4	4036.9	4023.8
32.5°	7239.4	6800.5	6370.3	5581.6	4856.0	4321.5	3941.3	3789.2	3745.7	3682.7	3680.5
35°	7734.8	7213.3	6526.8	5318.7	4488.8	3902.1	3626.2	3517.6	3439.4	3339.4	3330.7
37.5°	8312.7	7728.3	6611.5	4984.1	4060.8	3556.7	3391.6	3269.9	3143.9	3011.3	2994.0
40°	8910.2	8330.1	6618.0	4588.7	3641.4	3328.6	3189.5	3030.9	2874.5	2726.7	2707.2
42.5°	9538.1	8890.6	6502.9	4132.5	3298.1	3130.8	2989.6	2789.7	2613.7	2513.8	2502.9
45°	10098.7	9342.6	6242.1	3652.3	3043.9	2965.7	2785.4	2570.3	2476.9	2405.2	2390.0
47.5°	10539.7	9642.4	5890.2	3222.1	2837.5	2796.2	2561.6	2450.8	2379.1	2313.9	2298.7
50°	10757.0	9709.7	5431.7	2872.3	2646.3	2596.4	2435.6	2350.8	2303.0	2250.9	2237.9
52.5°	11026.4	9785.8	5036.3	2579.0	2459.5	2392.1	2331.3	2263.9	2229.2	2196.6	2185.7
55°	11645.6	10072.6	4827.7	2344.3	2281.3	2250.9	2242.2	2185.7	2174.9	2153.1	2133.6
57.5°	11897.6	9887.9	4334.5	2153.1	2140.1	2144.4	2166.2	2114.0	2103.2	2077.1	2064.1
60°	9568.5	7474.0	2935.3	1988.0	2022.8	2051.0	2072.7	2020.6	2005.4	2001.0	1983.7
62.5°	6131.3	4597.4	2048.8	1833.7	1885.9	1920.7	1933.7	1883.7	1872.9	1907.6	1909.8
65°	3191.7	2505.1	1662.1	1668.6	1712.1	1764.2	1790.3	1772.9	1768.6	1805.5	1807.7
67.5°	1629.5	1531.7	1449.2	1473.1	1507.8	1575.2	1636.0	1712.1	1738.2	1742.5	1744.7
70°	1388.3	1344.9	1303.6	1318.8	1355.8	1392.7	1451.4	1488.3	1444.8	1434.0	1429.6
72.5°	1181.9	1149.4	1129.8	1147.2	1166.7	1160.2	1142.8	1160.2	1166.7	1168.9	1171.1
75°	919.0	895.1	879.9	882.1	882.1	858.2	825.6	806.1	784.3	767.0	767.0
77.5°	562.7	567.1	582.3	580.1	577.9	569.2	536.7	519.3	467.1	451.9	451.9
80°	321.6	328.1	343.3	347.6	347.6	336.8	304.2	284.6	260.7	249.9	247.7
82.5°	195.5	204.2	212.9	217.3	219.4	206.4	178.2	163.0	149.9	139.1	139.1
85°	102.1	106.5	115.2	117.3	110.8	97.8	82.6	76.0	63.0	60.8	60.8
87.5°	28.2	30.4	34.8	28.2	26.1	19.6	10.9	8.7	4.3	2.2	2.2
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)