

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: P635276

Luminaire Tested: GWS-SA3D-740-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-740-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11405.8 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

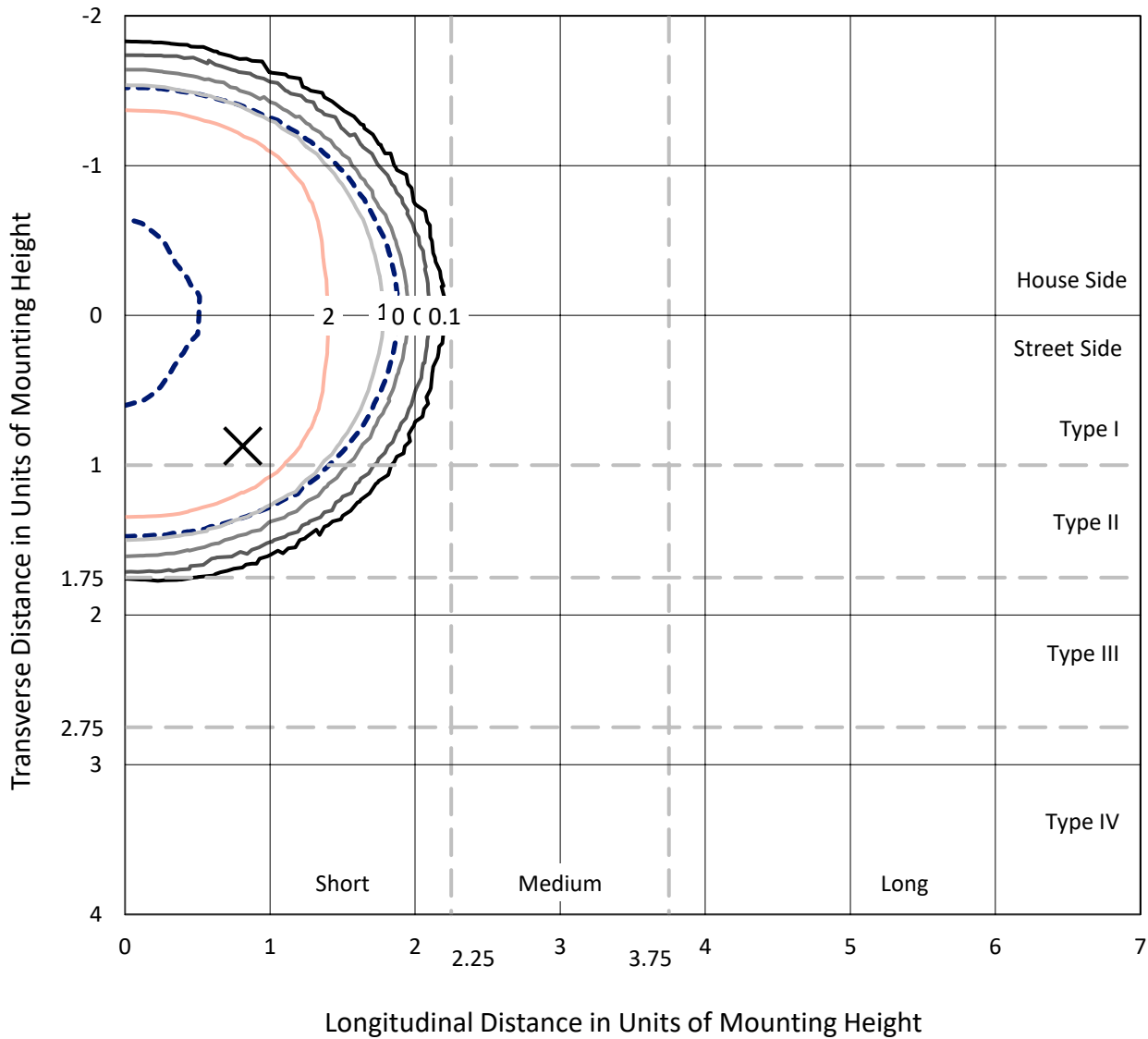
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635276
 CATALOG NUMBER: GWS-SA3D-740-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

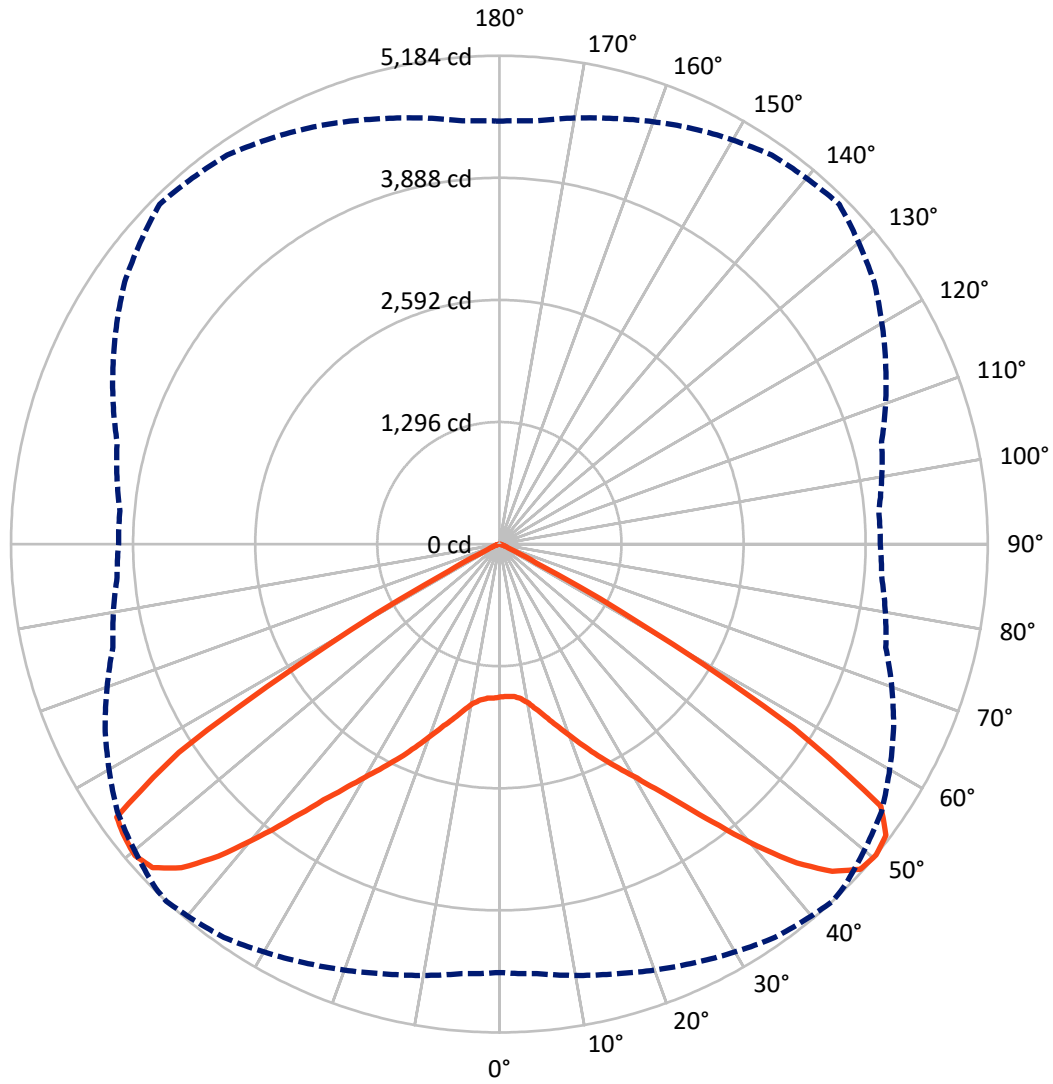
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

REPORT NUMBER: P635276
CATALOG NUMBER: GWS-SA3D-740-U-RW-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P635276

CATALOG NUMBER: GWS-SA3D-740-U-RW-W-GRSBK

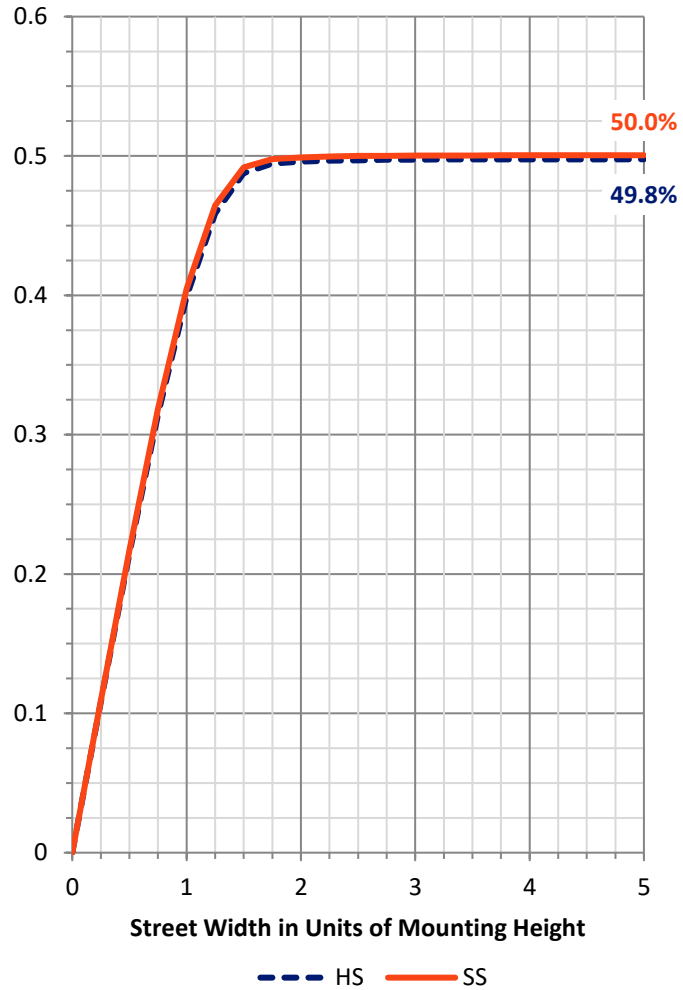
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5702.8	0.0	5702.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5703.0	0.0	5703.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11405.8	0.0	11405.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.8	1.4
10°-20°	549.8	4.8
20°-30°	1112.3	9.8
30°-40°	2063.7	18.1
40°-50°	3425.6	30.0
50°-60°	3496.0	30.7
60°-70°	573.3	5.0
70°-80°	25.1	0.2
80°-90°	0.4	0.0
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°	11405.8	100.0
0°-180°	11405.8	100.0

Coefficient of Utilization



REPORT NUMBER: P635276

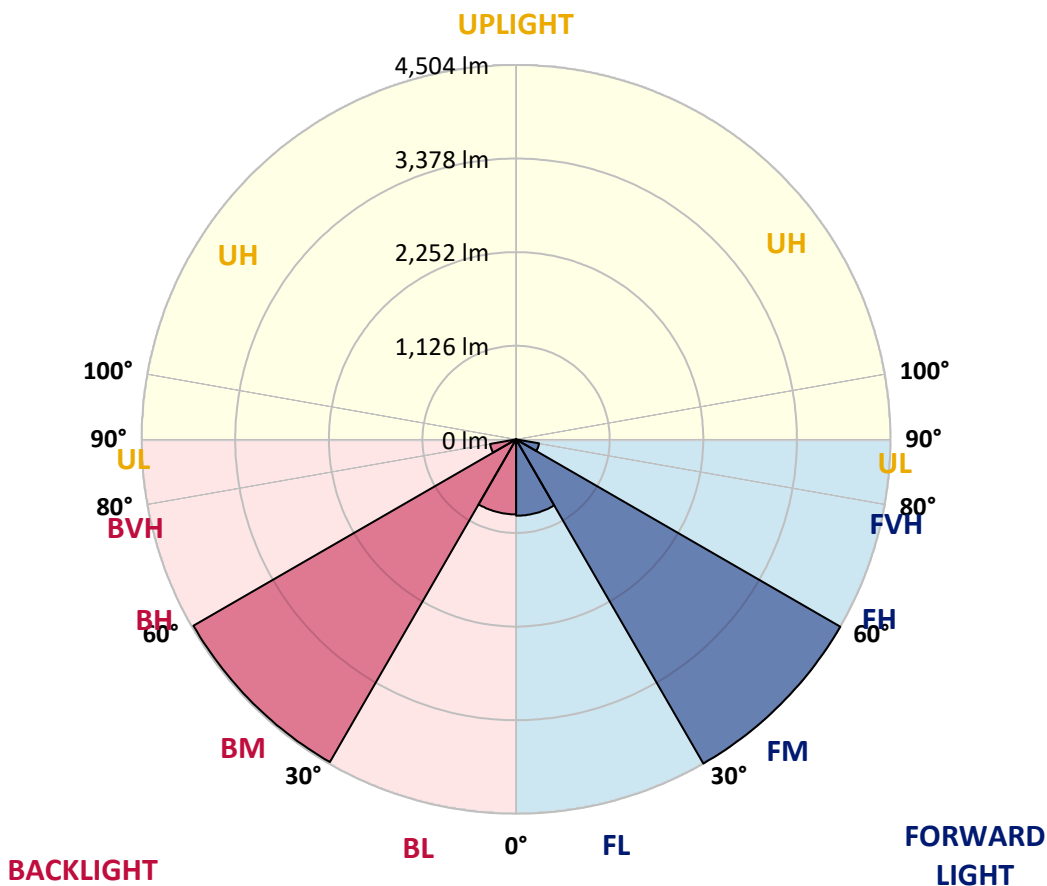
CATALOG NUMBER: GWS-SA3D-740-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	918.9	8.1			
FM (30°-60°)	4503.6	39.5			
FH (60°-80°)	280.5	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	902.9	7.9	B2/1000		
BM (30°-60°)	4481.7	39.3	B3/5000		
BH (60°-80°)	317.9	2.8	B1/500		G0/660
BVH (80°-90°)	0.2	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-G0

Type V Short





REPORT NUMBER: P635276

CATALOG NUMBER: GWS-SA3D-740-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3
2.5°	1592.0	1595.8	1600.8	1605.9	1612.2	1618.5	1622.3	1633.6	1631.1	1641.2	1641.2
5°	1574.4	1578.1	1584.4	1595.8	1609.7	1623.6	1633.6	1656.4	1669.0	1689.2	1696.7
7.5°	1583.2	1588.2	1595.8	1613.5	1634.9	1656.4	1667.7	1704.3	1729.5	1767.4	1788.8
10°	1612.2	1617.2	1629.9	1660.1	1687.9	1718.2	1732.0	1778.7	1819.1	1870.8	1901.1
12.5°	1645.0	1651.3	1676.5	1722.0	1769.9	1810.3	1829.2	1880.9	1922.5	1980.6	2028.5
15°	1679.1	1689.2	1728.3	1795.1	1863.2	1917.5	1937.7	1993.2	2034.8	2096.6	2150.9
17.5°	1758.5	1769.9	1814.0	1885.9	1979.3	2042.4	2060.0	2118.1	2149.6	2191.2	2248.0
20°	1858.2	1879.6	1933.9	2020.9	2123.1	2183.7	2196.3	2253.0	2250.5	2268.2	2317.4
22.5°	1981.8	1997.0	2056.3	2159.7	2274.5	2341.4	2370.4	2394.3	2362.8	2347.7	2379.2
25°	2110.5	2128.2	2192.5	2306.0	2434.7	2511.7	2535.6	2554.5	2504.1	2447.3	2451.1
27.5°	2277.0	2289.6	2352.7	2473.8	2602.5	2689.5	2711.0	2743.8	2676.9	2586.1	2560.9
30°	2475.1	2487.7	2554.5	2682.0	2809.4	2883.8	2916.6	2957.0	2883.8	2770.3	2741.2
32.5°	2707.2	2719.8	2805.6	2936.8	3041.5	3122.2	3153.8	3196.7	3138.6	3011.2	2978.4
35°	2984.7	2992.3	3093.2	3235.8	3346.8	3425.0	3446.4	3496.9	3432.6	3305.1	3287.5
37.5°	3306.4	3315.2	3425.0	3590.2	3703.8	3790.8	3824.9	3838.8	3760.5	3618.0	3604.1
40°	3659.6	3688.6	3795.9	3973.7	4101.2	4210.9	4241.2	4194.5	4084.8	3890.5	3865.2
42.5°	4028.0	4053.2	4173.1	4366.1	4513.7	4625.9	4627.2	4526.3	4339.6	4070.9	4033.0
45°	4334.5	4344.6	4499.8	4694.1	4875.7	4955.2	4962.8	4779.8	4498.5	4175.6	4094.8
47.5°	4545.2	4561.6	4696.6	4883.3	5083.9	5155.8	5140.6	4912.3	4574.2	4243.7	4110.0
50°	4547.7	4575.5	4721.8	4902.2	5096.5	5183.5	5162.1	4950.1	4617.1	4246.2	4073.4
52.5°	4145.3	4190.7	4429.1	4690.3	4988.0	5136.8	5141.9	4999.3	4600.7	4205.9	4040.6
55°	3127.3	3176.5	3476.7	3922.0	4497.3	4912.3	4984.2	4941.3	4581.8	4223.5	4098.6
57.5°	1655.1	1617.2	1783.8	2225.3	2948.1	3682.3	3893.0	4236.1	4371.1	4245.0	4205.9
60°	360.8	384.8	512.2	690.0	1150.5	1732.0	1937.7	2525.5	3224.4	3534.7	3759.3
62.5°	155.2	152.6	158.9	180.4	263.7	439.0	536.1	875.5	1381.3	1897.3	2246.7
65°	127.4	128.7	133.7	133.7	124.9	126.2	132.5	200.6	322.9	452.9	608.0
67.5°	95.9	97.1	106.0	108.5	102.2	90.8	89.6	75.7	79.5	99.7	103.4
70°	60.6	60.6	65.6	68.1	68.1	63.1	61.8	54.2	53.0	60.6	68.1
72.5°	32.8	32.8	35.3	36.6	35.3	34.1	34.1	32.8	31.5	36.6	46.7
75°	13.9	13.9	15.1	15.1	13.9	13.9	13.9	13.9	13.9	16.4	25.2
77.5°	2.5	3.8	5.0	3.8	2.5	2.5	2.5	3.8	3.8	5.0	7.6
80°	1.3	1.3	2.5	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P635276
 CATALOG NUMBER: GWS-SA3D-740-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3	1622.3
2.5°	1650.0	1636.2	1641.2	1643.7	1640.0	1637.4	1623.6	1619.8	1613.5	1603.4	1600.8
5°	1705.6	1694.2	1692.9	1685.4	1667.7	1646.3	1619.8	1608.4	1595.8	1583.2	1580.7
7.5°	1798.9	1785.0	1776.2	1751.0	1710.6	1676.5	1632.4	1608.4	1592.0	1575.6	1571.8
10°	1918.7	1902.3	1877.1	1830.4	1776.2	1727.0	1675.3	1643.7	1618.5	1595.8	1594.5
12.5°	2046.2	2028.5	1983.1	1923.8	1858.2	1812.8	1747.2	1703.0	1665.2	1631.1	1627.3
15°	2179.9	2158.4	2096.6	2026.0	1965.4	1918.7	1846.8	1776.2	1718.2	1669.0	1663.9
17.5°	2282.1	2255.6	2182.4	2129.4	2080.2	2032.3	1951.5	1858.2	1781.2	1722.0	1708.1
20°	2346.4	2321.2	2251.8	2222.8	2200.1	2166.0	2070.1	1973.0	1887.2	1814.0	1801.4
22.5°	2408.2	2377.9	2317.4	2317.4	2335.0	2321.2	2217.7	2106.7	2005.8	1921.3	1902.3
25°	2477.6	2453.6	2410.7	2446.1	2490.2	2488.9	2383.0	2244.2	2128.2	2033.5	2014.6
27.5°	2578.5	2554.5	2539.4	2606.3	2661.8	2658.0	2541.9	2391.8	2269.4	2176.1	2158.4
30°	2756.4	2733.7	2717.3	2798.0	2868.7	2842.2	2714.8	2569.7	2446.1	2340.1	2327.5
32.5°	2993.5	2969.6	2948.1	3028.9	3091.9	3057.9	2936.8	2800.5	2658.0	2554.5	2529.3
35°	3305.1	3254.7	3233.2	3329.1	3355.6	3317.8	3201.7	3081.9	2930.5	2811.9	2795.5
37.5°	3626.8	3567.5	3552.4	3635.7	3678.5	3664.7	3528.4	3403.5	3239.5	3108.3	3089.4
40°	3901.8	3847.6	3821.1	3951.0	4048.2	4057.0	3934.6	3782.0	3589.0	3452.7	3418.7
42.5°	4063.3	4016.6	4010.3	4212.2	4371.1	4484.6	4338.3	4180.6	3977.5	3823.6	3795.9
45°	4099.9	4069.6	4122.6	4387.5	4634.8	4841.7	4716.8	4550.2	4330.7	4168.0	4141.5
47.5°	4096.1	4086.0	4180.6	4478.3	4791.2	5046.0	4984.2	4796.2	4584.3	4414.0	4388.8
50°	4041.9	4043.1	4200.8	4523.8	4854.3	5101.5	5039.7	4865.6	4676.4	4508.6	4488.4
52.5°	4020.4	4012.8	4163.0	4509.9	4918.6	5076.3	4937.5	4742.0	4531.3	4324.4	4294.2
55°	4096.1	4077.2	4168.0	4498.5	4926.2	5062.4	4696.6	4272.7	3841.3	3596.5	3576.4
57.5°	4209.6	4189.5	4232.3	4415.3	4531.3	4209.6	3456.5	2772.8	2328.7	2140.8	2058.8
60°	3759.3	3745.4	3712.6	3491.8	2994.8	2259.4	1539.0	981.5	705.2	570.2	570.2
62.5°	2332.5	2313.6	2135.7	1587.0	1153.0	667.3	367.1	229.6	174.1	162.7	161.5
65°	654.7	650.9	538.7	381.0	242.2	150.1	132.5	135.0	132.5	128.7	127.4
67.5°	98.4	108.5	108.5	88.3	84.5	94.6	111.0	118.6	112.3	106.0	103.4
70°	63.1	68.1	65.6	56.8	60.6	70.6	79.5	80.7	77.0	70.6	69.4
72.5°	44.2	49.2	40.4	36.6	37.8	41.6	45.4	45.4	44.2	41.6	39.1
75°	26.5	26.5	18.9	17.7	17.7	18.9	18.9	21.4	21.4	20.2	18.9
77.5°	8.8	10.1	6.3	5.0	5.0	5.0	6.3	7.6	7.6	6.3	5.0
80°	1.3	2.5	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5	1.3
82.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	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)