

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: P635331

Luminaire Tested: GWS-SA3D-750-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635331
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11667.1 lumens
Efficiency: N/A
Efficacy: 96.6 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

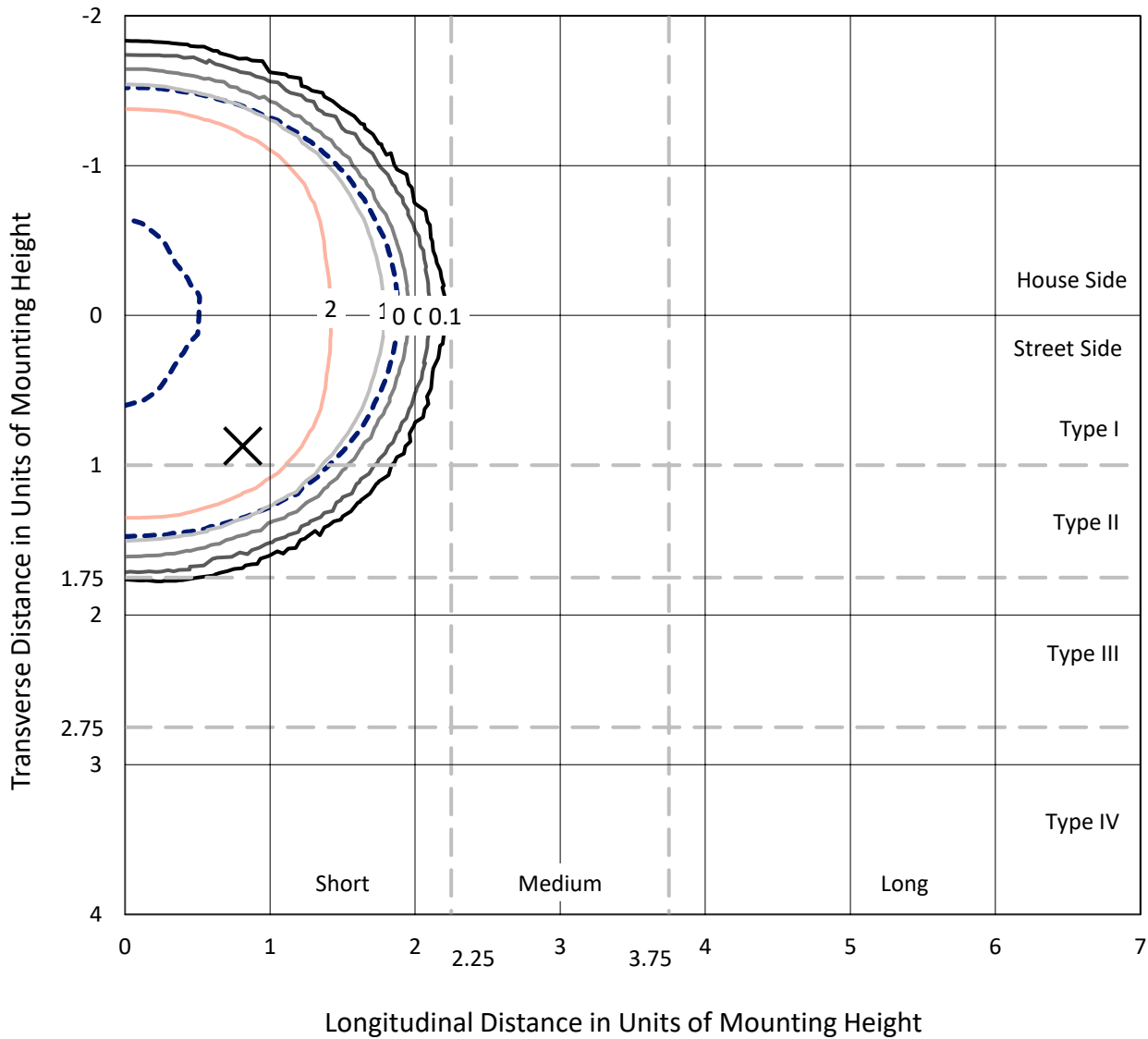
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

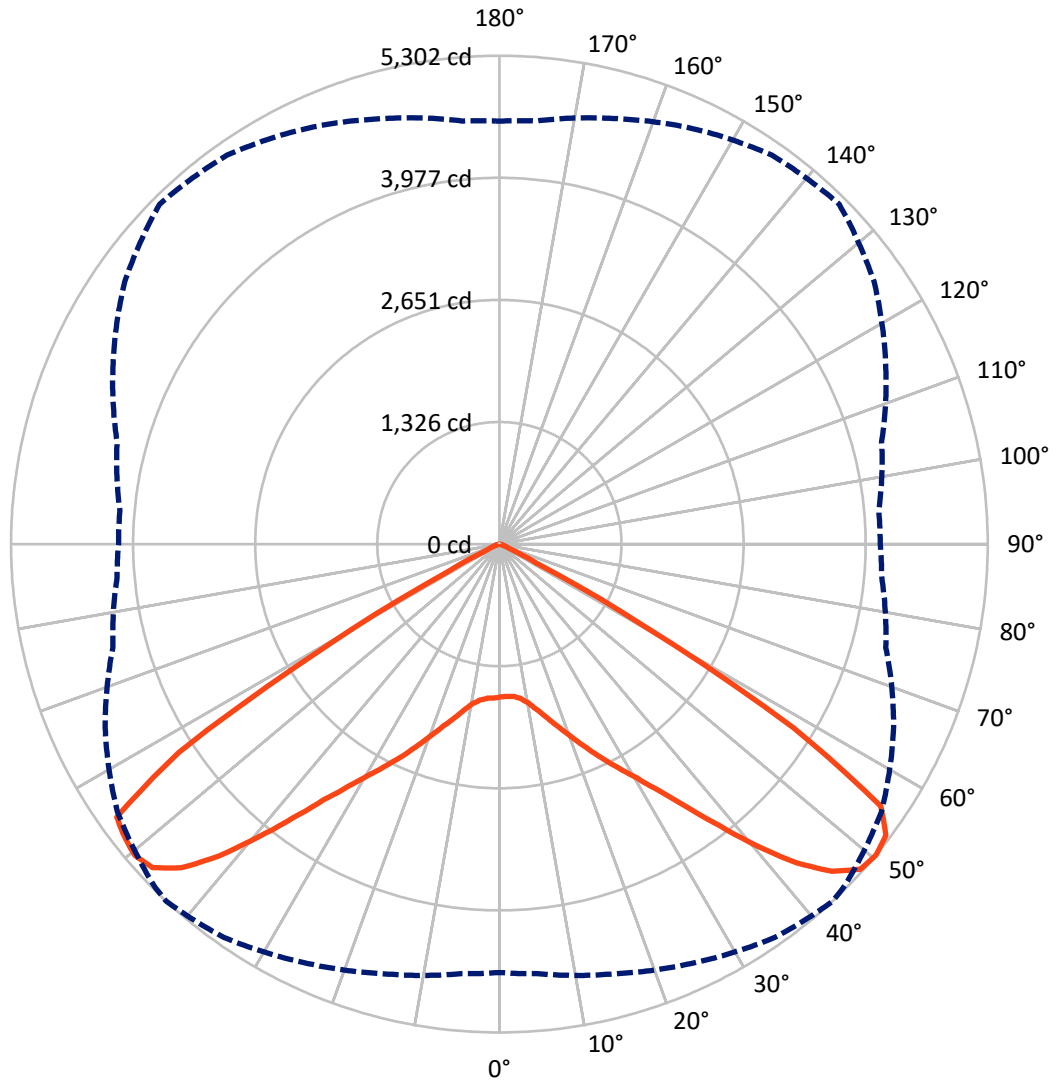
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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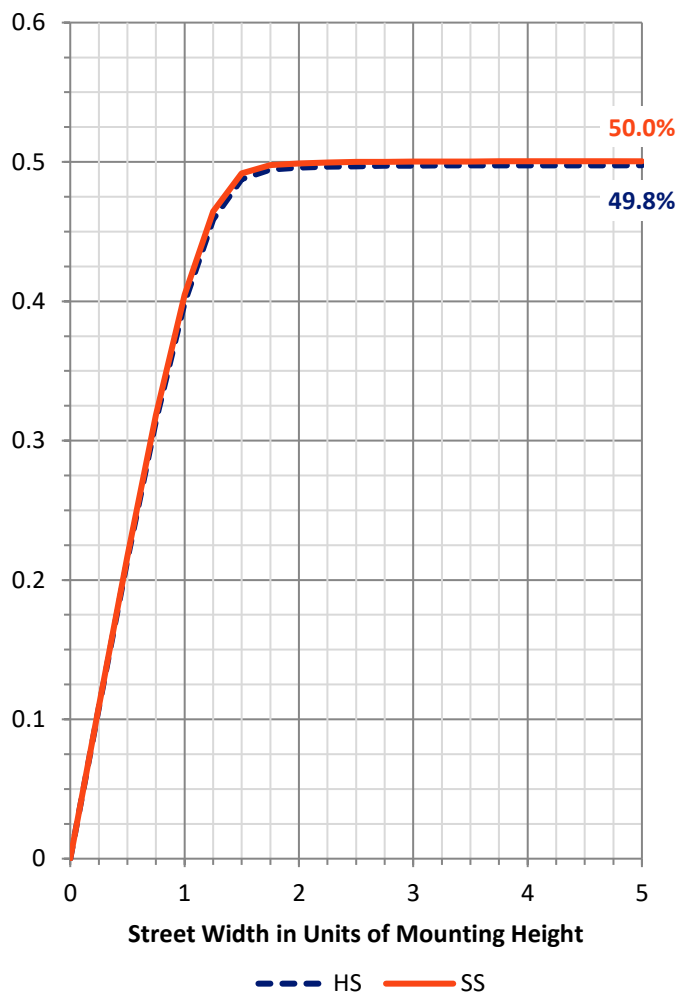
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5833.4	0.0	5833.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5833.7	0.0	5833.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	11667.1	0.0	11667.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.4	1.4
10°-20°	562.4	4.8
20°-30°	1137.8	9.8
30°-40°	2111.0	18.1
40°-50°	3504.1	30.0
50°-60°	3576.0	30.7
60°-70°	586.4	5.0
70°-80°	25.7	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°	11667.1	100.0
0°-180°	11667.1	100.0

Coefficient of Utilization



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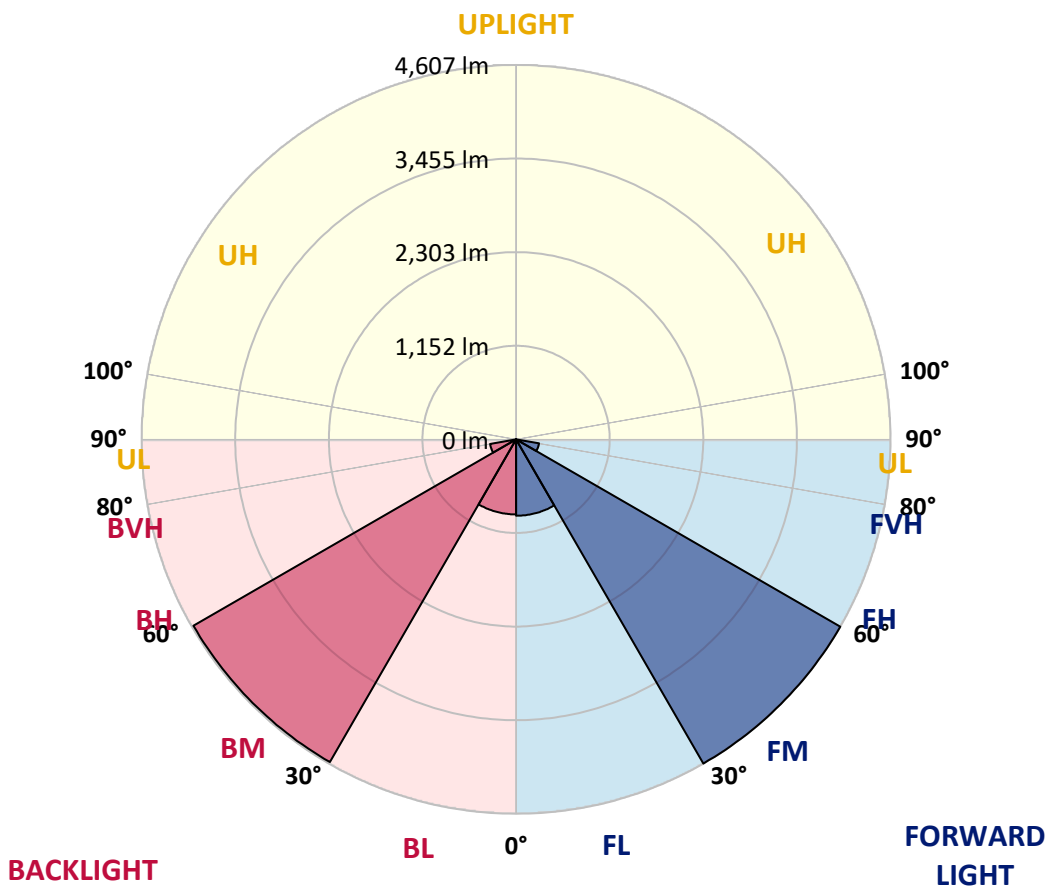
CATALOG NUMBER: GWS-SA3D-750-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	939.9	8.1			
FM (30°-60°)	4606.7	39.5			
FH (60°-80°)	286.9	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	923.6	7.9	B2/1000		
BM (30°-60°)	4584.3	39.3	B3/5000		
BH (60°-80°)	325.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1659.5	1659.5	1659.5	1659.5	1659.5	1659.5	1659.5	1659.5	1659.5	1659.5	1659.5
2.5°	1628.5	1632.4	1637.5	1642.7	1649.1	1655.6	1659.5	1671.1	1668.5	1678.8	1678.8
5°	1610.4	1614.3	1620.7	1632.4	1646.6	1660.8	1671.1	1694.3	1707.2	1727.9	1735.6
7.5°	1619.5	1624.6	1632.4	1650.4	1672.4	1694.3	1705.9	1743.3	1769.1	1807.9	1829.8
10°	1649.1	1654.3	1667.2	1698.2	1726.6	1757.5	1771.7	1819.5	1860.8	1913.7	1944.6
12.5°	1682.7	1689.1	1714.9	1761.4	1810.4	1851.7	1871.1	1924.0	1966.6	2025.9	2075.0
15°	1717.5	1727.9	1767.9	1836.2	1905.9	1961.4	1982.1	2038.8	2081.4	2144.7	2200.1
17.5°	1798.8	1810.4	1855.6	1929.2	2024.6	2089.2	2107.2	2166.6	2198.8	2241.4	2299.5
20°	1900.8	1922.7	1978.2	2067.2	2171.8	2233.7	2246.6	2304.7	2302.1	2320.1	2370.5
22.5°	2027.2	2042.7	2103.4	2209.2	2326.6	2395.0	2424.7	2449.2	2416.9	2401.4	2433.7
25°	2158.8	2176.9	2242.7	2358.9	2490.5	2569.2	2593.7	2613.1	2561.5	2503.4	2507.3
27.5°	2329.2	2342.1	2406.6	2530.5	2662.1	2751.1	2773.1	2806.6	2738.2	2645.3	2619.5
30°	2531.8	2544.7	2613.1	2743.4	2873.7	2949.9	2983.4	3024.7	2949.9	2833.7	2804.0
32.5°	2769.2	2782.1	2869.9	3004.1	3111.2	3193.8	3226.0	3269.9	3210.5	3080.2	3046.6
35°	3053.1	3060.8	3164.1	3309.9	3423.4	3503.4	3525.4	3577.0	3511.2	3380.9	3362.8
37.5°	3382.2	3391.2	3503.4	3672.5	3788.6	3877.7	3912.5	3926.7	3846.7	3700.9	3686.7
40°	3743.5	3773.1	3882.8	4064.8	4195.1	4307.4	4338.3	4290.6	4178.3	3979.6	3953.8
42.5°	4120.3	4146.1	4268.7	4466.1	4617.1	4731.9	4733.2	4630.0	4439.0	4164.1	4125.4
45°	4433.8	4444.2	4602.9	4801.6	4987.4	5068.7	5076.5	4889.3	4601.6	4271.2	4188.7
47.5°	4649.3	4666.1	4804.2	4995.2	5200.3	5273.9	5258.4	5024.8	4679.0	4340.9	4204.1
50°	4651.9	4680.3	4830.0	5014.5	5213.2	5302.3	5280.3	5063.5	4722.9	4343.5	4166.7
52.5°	4240.3	4286.7	4530.6	4797.7	5102.3	5254.5	5259.7	5113.9	4706.1	4302.2	4133.2
55°	3198.9	3249.2	3556.4	4011.9	4600.3	5024.8	5098.4	5054.5	4686.7	4320.3	4192.5
57.5°	1693.0	1654.3	1824.6	2276.3	3015.7	3766.7	3982.2	4333.2	4471.3	4342.2	4302.2
60°	369.1	393.6	523.9	705.9	1176.8	1771.7	1982.1	2583.4	3298.3	3615.7	3845.4
62.5°	158.7	156.1	162.6	184.5	269.7	449.1	548.4	895.5	1413.0	1940.8	2298.2
65°	130.3	131.6	136.8	136.8	127.8	129.0	135.5	205.2	330.3	463.3	622.0
67.5°	98.1	99.4	108.4	111.0	104.5	92.9	91.6	77.4	81.3	101.9	105.8
70°	61.9	61.9	67.1	69.7	69.7	64.5	63.2	55.5	54.2	61.9	69.7
72.5°	33.6	33.6	36.1	37.4	36.1	34.8	34.8	33.6	32.3	37.4	47.7
75°	14.2	14.2	15.5	15.5	14.2	14.2	14.2	14.2	14.2	16.8	25.8
77.5°	2.6	3.9	5.2	3.9	2.6	2.6	2.6	3.9	3.9	5.2	7.7
80°	1.3	1.3	2.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1659.5	1659.5	1659.5	1659.5	1659.5	1659.5	1659.5	1659.5	1659.5	1659.5	1659.5
2.5°	1687.8	1673.7	1678.8	1681.4	1677.5	1674.9	1660.8	1656.9	1650.4	1640.1	1637.5
5°	1744.6	1733.0	1731.7	1724.0	1705.9	1684.0	1656.9	1645.3	1632.4	1619.5	1616.9
7.5°	1840.1	1825.9	1816.9	1791.1	1749.8	1714.9	1669.8	1645.3	1628.5	1611.7	1607.8
10°	1962.7	1945.9	1920.1	1872.4	1816.9	1766.6	1713.7	1681.4	1655.6	1632.4	1631.1
12.5°	2093.0	2075.0	2028.5	1967.9	1900.8	1854.3	1787.2	1742.0	1703.3	1668.5	1664.6
15°	2229.8	2207.9	2144.7	2072.4	2010.5	1962.7	1889.2	1816.9	1757.5	1707.2	1702.0
17.5°	2334.3	2307.2	2232.4	2178.2	2127.9	2078.8	1996.3	1900.8	1822.1	1761.4	1747.2
20°	2400.2	2374.3	2303.4	2273.7	2250.5	2215.6	2117.6	2018.2	1930.4	1855.6	1842.7
22.5°	2463.4	2432.4	2370.5	2370.5	2388.5	2374.3	2268.5	2155.0	2051.7	1965.3	1945.9
25°	2534.4	2509.8	2466.0	2502.1	2547.3	2546.0	2437.6	2295.6	2176.9	2080.1	2060.8
27.5°	2637.6	2613.1	2597.6	2666.0	2722.8	2718.9	2600.2	2446.6	2321.4	2225.9	2207.9
30°	2819.5	2796.3	2779.5	2862.1	2934.4	2907.3	2777.0	2628.6	2502.1	2393.7	2380.8
32.5°	3062.1	3037.6	3015.7	3098.3	3162.8	3127.9	3004.1	2864.7	2718.9	2613.1	2587.3
35°	3380.9	3329.2	3307.3	3405.4	3432.5	3393.8	3275.0	3152.5	2997.6	2876.3	2859.5
37.5°	3709.9	3649.3	3633.8	3718.9	3762.8	3748.6	3609.3	3481.5	3313.8	3179.6	3160.2
40°	3991.2	3935.7	3908.6	4041.5	4140.9	4149.9	4024.8	3868.6	3671.2	3531.8	3497.0
42.5°	4156.4	4108.6	4102.2	4308.7	4471.3	4587.4	4437.7	4276.4	4068.6	3911.2	3882.8
45°	4193.8	4162.8	4217.0	4488.0	4740.9	4952.6	4824.8	4654.5	4430.0	4263.5	4236.4
47.5°	4189.9	4179.6	4276.4	4580.9	4901.0	5161.6	5098.4	4906.1	4689.3	4515.1	4489.3
50°	4134.5	4135.7	4297.0	4627.4	4965.5	5218.4	5155.2	4977.1	4783.5	4611.9	4591.3
52.5°	4112.5	4104.8	4258.3	4613.2	5031.3	5192.6	5050.6	4850.6	4635.1	4423.5	4392.5
55°	4189.9	4170.6	4263.5	4601.6	5039.0	5178.4	4804.2	4370.6	3929.3	3678.9	3658.3
57.5°	4306.1	4285.4	4329.3	4516.4	4635.1	4306.1	3535.7	2836.3	2382.1	2189.8	2105.9
60°	3845.4	3831.2	3797.7	3571.8	3063.4	2311.1	1574.3	1003.9	721.3	583.3	583.3
62.5°	2386.0	2366.6	2184.7	1623.3	1179.4	682.6	375.5	234.9	178.1	166.5	165.2
65°	669.7	665.8	551.0	389.7	247.8	153.6	135.5	138.1	135.5	131.6	130.3
67.5°	100.7	111.0	111.0	90.3	86.5	96.8	113.6	121.3	114.8	108.4	105.8
70°	64.5	69.7	67.1	58.1	61.9	72.3	81.3	82.6	78.7	72.3	71.0
72.5°	45.2	50.3	41.3	37.4	38.7	42.6	46.5	46.5	45.2	42.6	40.0
75°	27.1	27.1	19.4	18.1	18.1	19.4	19.4	21.9	21.9	20.6	19.4
77.5°	9.0	10.3	6.5	5.2	5.2	5.2	6.5	7.7	7.7	6.5	5.2
80°	1.3	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	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)