

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: P635416

Luminaire Tested: GWS-SA3D-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-760-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10963.8 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

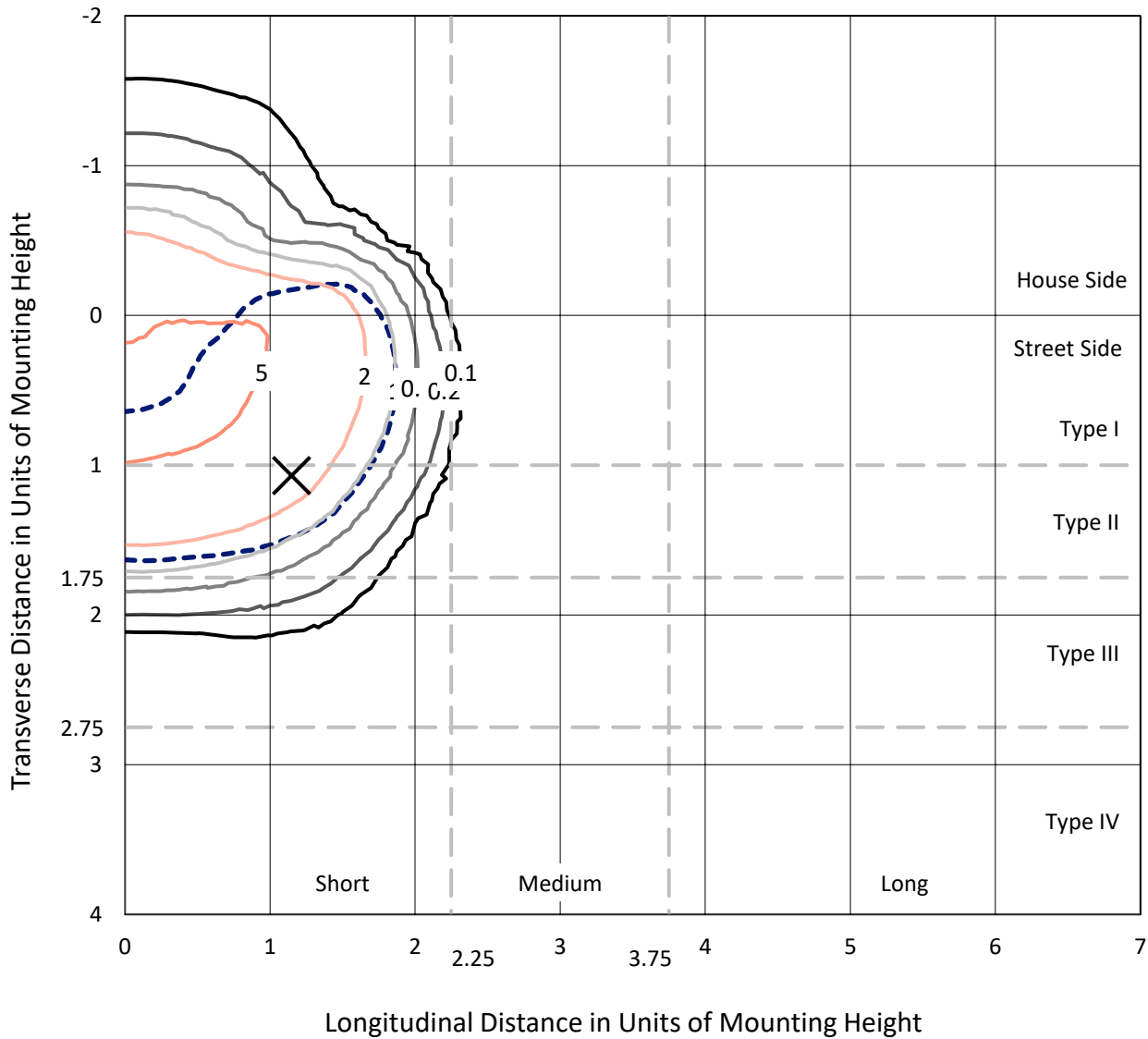
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

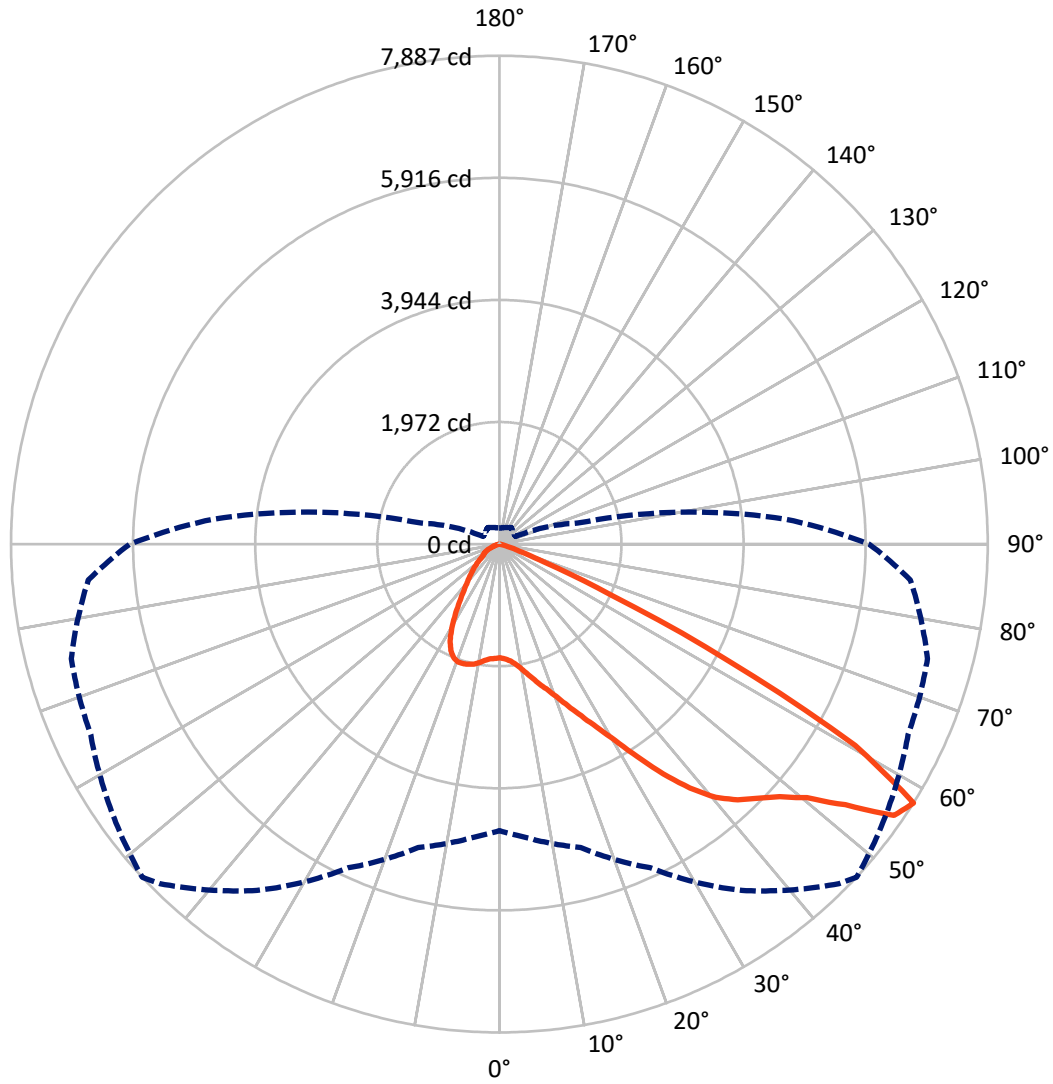
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.5 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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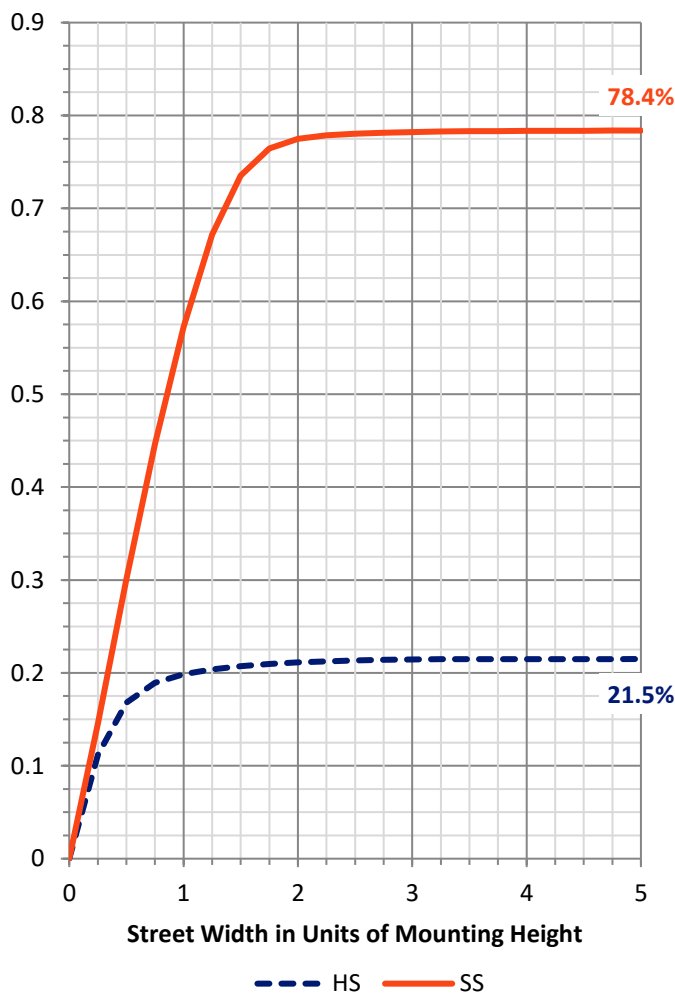
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2378.6	0.0	2378.6
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	8585.2	0.0	8585.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	10963.8	0.0	10963.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.6	1.7
10°-20°	616.1	5.6
20°-30°	1144.0	10.4
30°-40°	1831.3	16.7
40°-50°	2677.0	24.4
50°-60°	3303.8	30.1
60°-70°	1104.0	10.1
70°-80°	102.9	0.9
80°-90°	2.1	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°	10963.8	100.0
0°-180°	10963.8	100.0

Coefficient of Utilization



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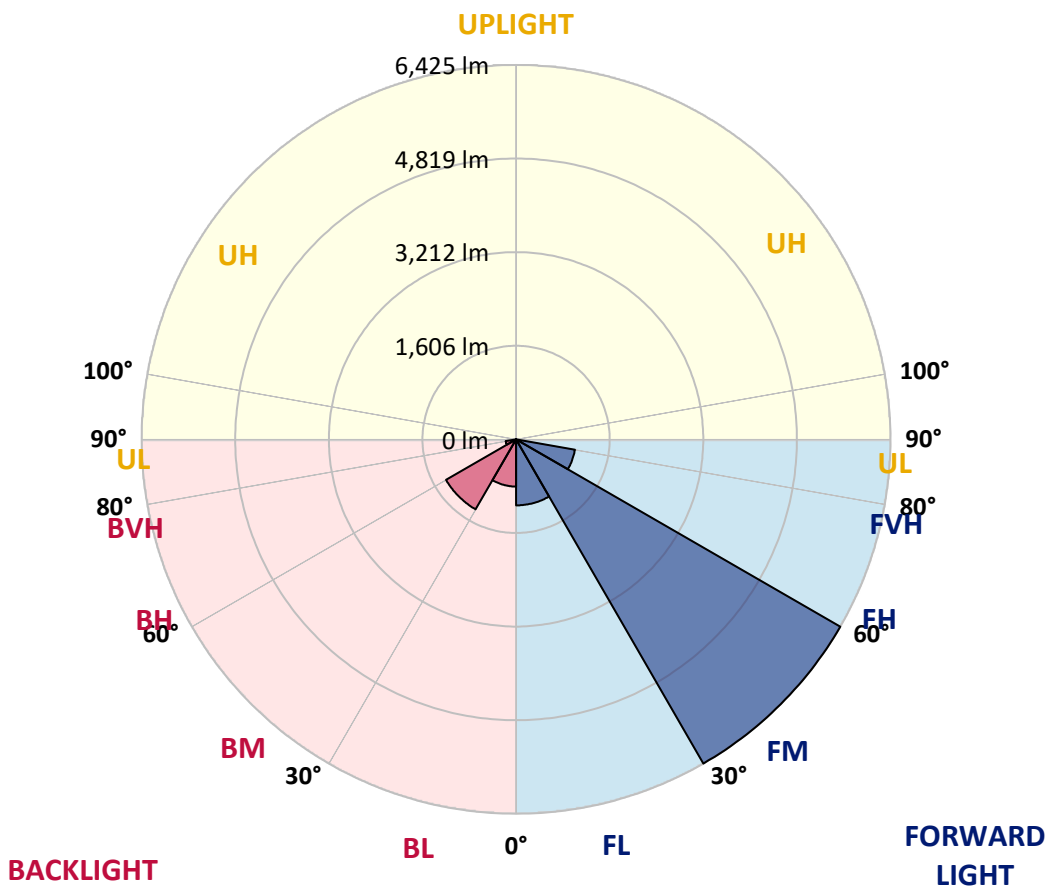
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1133.1	10.3			
FM (30°-60°)	6424.7	58.6			
FH (60°-80°)	1026.0	9.4			G1/1800
FVH (80°-90°)	1.5	0.0			G0/10
BL (0°-30°)	809.6	7.4	B2/1000		
BM (30°-60°)	1387.4	12.7	B2/2500		
BH (60°-80°)	180.8	1.6	B1/500		G1/500
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: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1835.4	1835.4	1835.4	1835.4	1835.4	1835.4	1835.4	1835.4	1835.4	1835.4	1835.4
2.5°	1854.4	1853.2	1851.9	1859.5	1857.0	1855.7	1858.3	1858.3	1858.3	1850.6	1835.4
5°	1899.0	1899.0	1897.7	1905.4	1899.0	1895.2	1896.4	1896.4	1891.4	1877.4	1858.3
7.5°	1969.0	1966.4	1963.9	1971.5	1965.2	1963.9	1966.4	1958.8	1949.9	1927.0	1900.3
10°	2069.5	2069.5	2065.7	2073.4	2068.3	2065.7	2065.7	2060.6	2044.1	2008.5	1969.0
12.5°	2208.3	2201.9	2193.0	2186.6	2184.1	2182.8	2184.1	2176.5	2158.6	2112.8	2058.1
15°	2359.7	2354.6	2340.6	2330.5	2316.5	2313.9	2321.6	2315.2	2297.4	2235.0	2157.4
17.5°	2550.7	2557.0	2521.4	2499.7	2459.0	2456.5	2459.0	2469.2	2456.5	2376.3	2263.0
20°	2713.6	2718.7	2691.9	2676.7	2639.8	2623.2	2628.3	2644.8	2630.8	2536.7	2378.8
22.5°	2887.9	2894.3	2866.3	2834.5	2817.9	2817.9	2837.0	2859.9	2840.8	2717.4	2511.2
25°	3096.7	3101.8	3078.9	3036.9	3007.6	3044.5	3072.5	3133.6	3101.8	2933.8	2667.8
27.5°	3336.0	3337.2	3304.1	3260.9	3245.6	3314.3	3342.3	3436.5	3423.8	3176.9	2833.2
30°	3591.8	3593.1	3585.4	3556.2	3542.2	3632.5	3670.7	3806.9	3798.0	3478.5	3058.5
32.5°	3857.8	3857.8	3871.8	3869.3	3885.8	4033.4	4094.5	4249.8	4240.9	3847.6	3338.5
35°	4125.1	4126.4	4150.5	4211.6	4280.4	4476.4	4556.6	4744.9	4724.6	4289.3	3696.2
37.5°	4429.3	4416.6	4449.6	4541.3	4694.0	4920.6	4996.9	5176.4	5153.5	4741.1	4163.3
40°	4795.8	4772.9	4772.9	4879.8	5052.9	5313.9	5378.8	5467.9	5390.2	5106.4	4621.5
42.5°	5200.6	5179.0	5150.9	5245.1	5390.2	5593.9	5647.3	5623.2	5559.5	5451.3	5143.3
45°	5610.4	5577.3	5596.4	5653.7	5737.7	5834.4	5854.8	5742.8	5713.5	5744.1	5574.8
47.5°	5922.3	5899.3	5946.4	6026.6	6095.4	6109.4	6095.4	5940.1	5937.5	6045.7	5873.9
50°	6026.6	6029.2	6159.0	6334.6	6445.4	6456.8	6437.7	6259.5	6235.4	6267.2	6035.5
52.5°	6036.8	6047.0	6236.6	6571.4	6873.0	7010.5	6995.2	6803.0	6566.3	6531.9	6279.9
55°	5791.2	5851.0	6115.7	6604.5	7245.9	7685.1	7736.0	7368.1	7016.8	6987.6	6805.6
57.5°	4629.1	4751.3	5070.8	5767.0	6829.7	7755.1	7887.4	7622.7	7282.9	7158.1	6664.3
60°	2767.0	2918.5	3225.2	4079.3	5198.0	6374.1	6601.9	6638.8	6482.3	6122.1	5112.8
62.5°	1187.5	1174.8	1552.8	2207.0	3091.6	4051.3	4154.4	4314.7	4450.9	4074.2	3103.0
65°	407.3	442.9	616.0	995.3	1547.7	1881.2	1972.8	2116.6	2310.1	1906.6	1136.6
67.5°	252.0	267.3	355.1	588.0	834.9	822.2	781.5	758.6	738.2	505.3	311.8
70°	183.3	196.0	249.5	404.7	561.3	394.6	342.4	277.5	308.0	283.8	221.5
72.5°	123.5	133.6	171.8	245.6	287.6	192.2	178.2	202.4	244.4	232.9	180.7
75°	73.8	80.2	98.0	119.6	117.1	99.3	100.5	142.6	187.1	174.4	128.6
77.5°	50.9	53.5	64.9	77.6	57.3	30.5	28.0	39.5	63.6	63.6	43.3
80°	12.7	16.5	16.5	10.2	8.9	7.6	7.6	11.5	17.8	12.7	6.4
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5	2.5	2.5
85°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5	2.5
87.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5
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°	1835.4	1835.4	1835.4	1835.4	1835.4	1835.4	1835.4	1835.4	1835.4	1835.4	1835.4
2.5°	1844.3	1829.0	1839.2	1836.6	1844.3	1846.8	1835.4	1832.8	1834.1	1818.8	1813.7
5°	1862.1	1844.3	1849.4	1844.3	1853.2	1860.8	1857.0	1862.1	1868.4	1857.0	1851.9
7.5°	1900.3	1882.4	1881.2	1873.5	1886.3	1891.4	1890.1	1904.1	1916.8	1909.2	1901.5
10°	1966.4	1942.3	1939.7	1933.4	1937.2	1941.0	1927.0	1929.5	1941.0	1932.1	1928.3
12.5°	2047.9	2018.6	2012.3	1997.0	1997.0	1977.9	1947.4	1941.0	1949.9	1943.5	1937.2
15°	2135.7	2096.3	2086.1	2059.4	2033.9	1998.3	1966.4	1958.8	1965.2	1957.5	1952.4
17.5°	2233.7	2189.2	2156.1	2109.0	2053.0	2011.0	1975.4	1958.8	1948.6	1933.4	1932.1
20°	2330.5	2271.9	2215.9	2140.8	2067.0	2003.4	1944.8	1901.5	1864.6	1841.7	1832.8
22.5°	2442.5	2355.9	2265.6	2159.9	2054.3	1957.5	1854.4	1780.6	1717.0	1695.3	1685.2
25°	2562.1	2450.1	2315.2	2177.7	2011.0	1855.7	1715.7	1606.3	1522.2	1494.2	1482.8
27.5°	2694.5	2540.5	2366.1	2173.9	1921.9	1710.6	1524.8	1388.6	1305.9	1280.4	1289.3
30°	2862.5	2657.6	2429.7	2134.5	1788.3	1507.0	1289.3	1174.8	1112.4	1088.2	1089.5
32.5°	3086.5	2825.6	2522.7	2050.5	1616.4	1275.3	1084.4	1000.4	958.4	926.6	924.0
35°	3407.2	3081.4	2609.2	1915.5	1407.7	1069.1	930.4	864.2	805.7	768.8	775.1
37.5°	3791.6	3403.4	2656.3	1733.5	1173.5	908.8	814.6	747.1	680.9	626.2	632.6
40°	4247.3	3824.7	2652.5	1494.2	959.7	799.3	717.8	638.9	556.2	506.6	511.7
42.5°	4755.1	4223.1	2569.7	1241.0	795.5	710.2	624.9	525.7	445.5	414.9	416.2
45°	5195.5	4546.4	2424.7	978.8	669.5	623.7	528.2	426.4	390.7	369.1	367.8
47.5°	5521.3	4783.1	2217.2	770.0	567.7	544.8	434.0	381.8	353.8	336.0	333.5
50°	5703.3	4865.8	1988.1	603.3	479.8	462.0	388.2	346.2	327.1	315.6	313.1
52.5°	5947.7	4965.1	1823.9	476.0	402.2	378.0	357.7	322.0	309.3	300.4	296.6
55°	6334.6	5157.3	1681.3	378.0	334.7	329.7	337.3	308.0	300.4	286.4	281.3
57.5°	5970.6	4632.9	1305.9	292.7	282.6	301.6	325.8	294.0	274.9	262.2	257.1
60°	4201.5	3080.1	656.8	235.5	252.0	282.6	306.7	266.0	246.9	249.5	246.9
62.5°	2316.5	1541.3	295.3	197.3	218.9	249.5	262.2	230.4	217.6	239.3	243.1
65°	757.3	524.4	170.6	152.7	173.1	203.6	226.6	218.9	216.4	241.8	249.5
67.5°	232.9	173.1	115.8	109.5	119.6	150.2	190.9	236.7	254.6	262.2	266.0
70°	174.4	136.2	99.3	92.9	98.0	114.6	161.6	197.3	185.8	187.1	184.6
72.5°	140.0	108.2	85.3	81.5	81.5	78.9	85.3	106.9	120.9	127.3	127.3
75°	98.0	76.4	64.9	59.8	47.1	38.2	34.4	34.4	30.5	29.3	28.0
77.5°	33.1	28.0	25.5	20.4	14.0	11.5	10.2	8.9	6.4	3.8	2.5
80°	5.1	3.8	2.5	2.5	2.5	1.3	1.3	1.3	0.0	0.0	0.0
82.5°	2.5	2.5	2.5	2.5	2.5	1.3	1.3	0.0	0.0	0.0	0.0
85°	2.5	2.5	2.5	2.5	2.5	1.3	1.3	0.0	0.0	0.0	0.0
87.5°	2.5	2.5	2.5	2.5	1.3	1.3	1.3	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)