

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: P634793

Luminaire Tested: GWS-SA3C-740-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13397 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

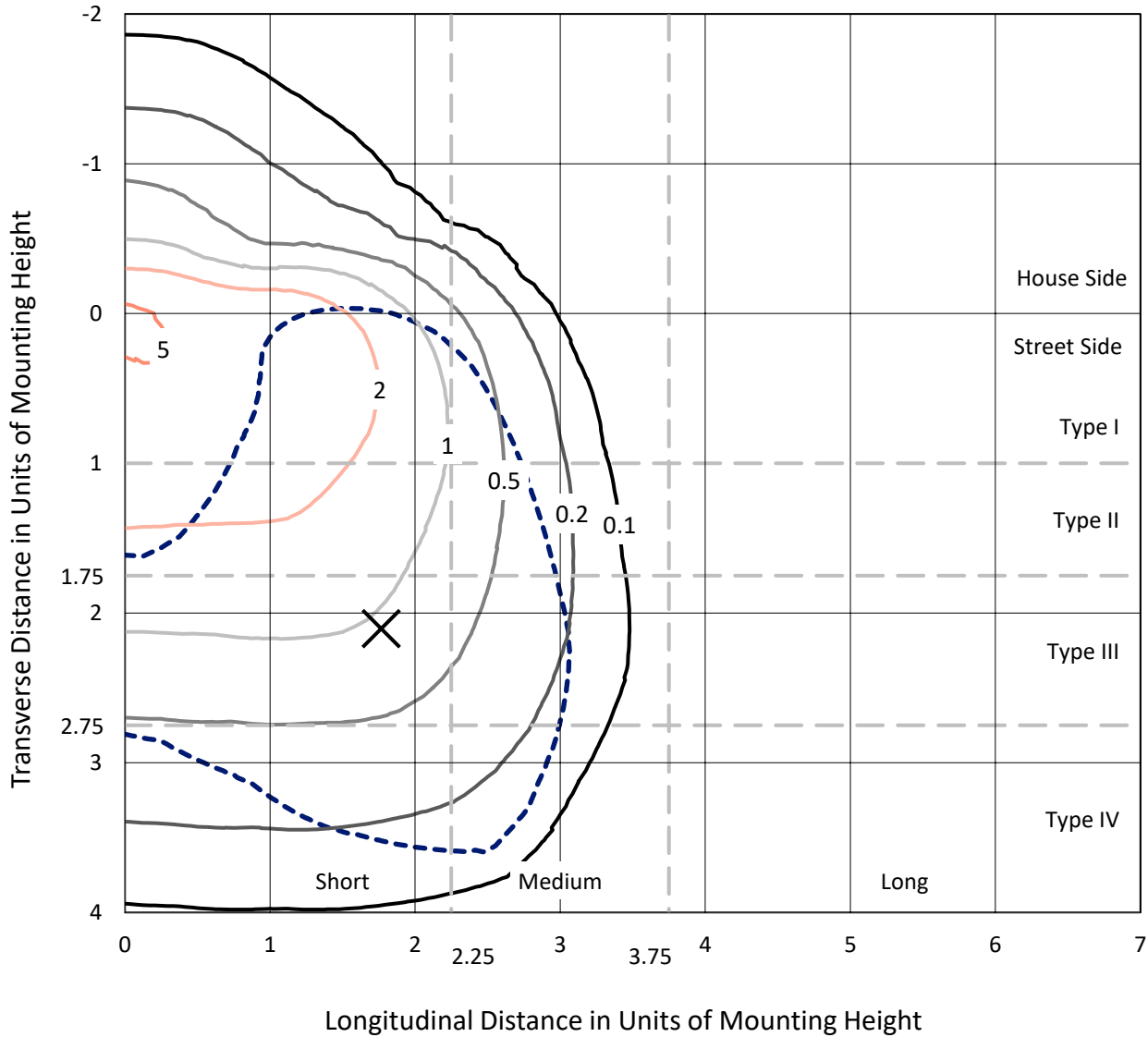
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

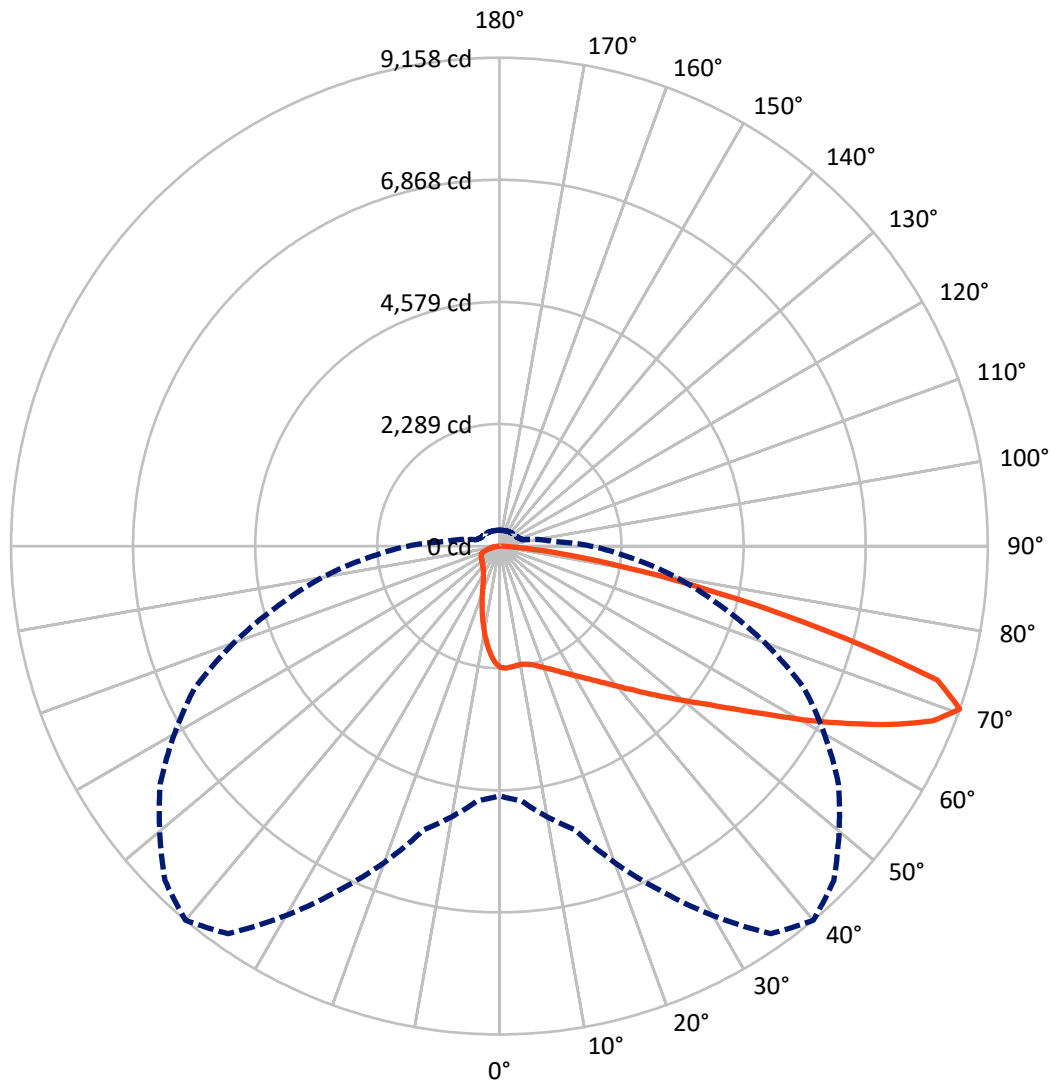
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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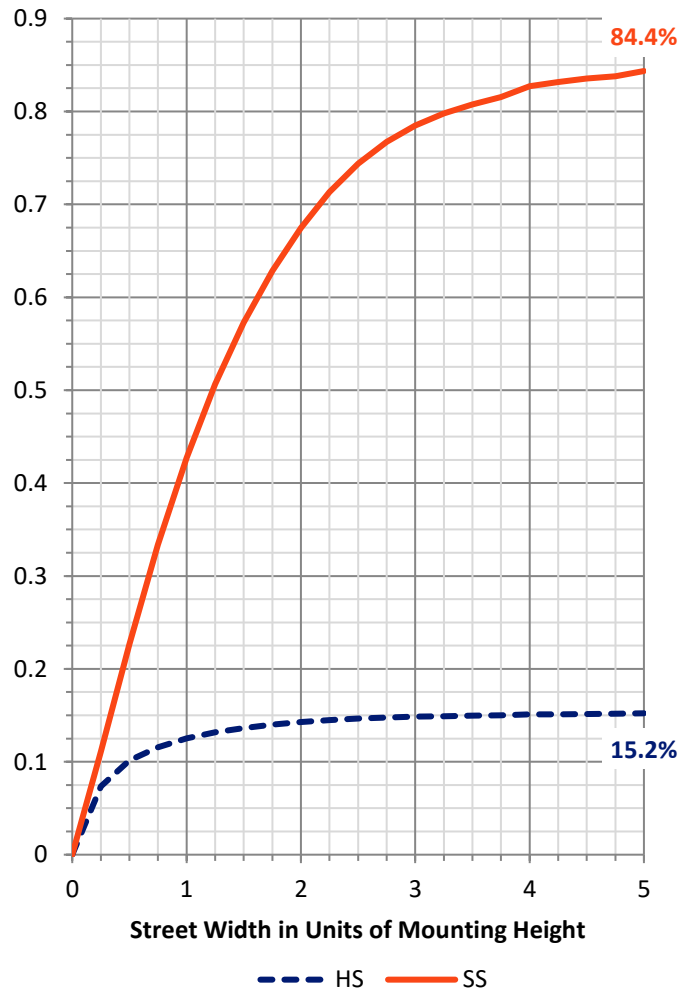
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2063.5	0.0	2063.5
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	11333.5	0.0	11333.5
	% Fixture	84.6	0.0	84.6
Total	Lumens	13397.0	0.0	13397.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.0	1.5
10°-20°	523.9	3.9
20°-30°	822.6	6.1
30°-40°	1236.7	9.2
40°-50°	1908.9	14.2
50°-60°	2834.9	21.2
60°-70°	3573.3	26.7
70°-80°	2066.4	15.4
80°-90°	229.3	1.7
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°	13397.0	100.0
0°-180°	13397.0	100.0

Coefficient of Utilization



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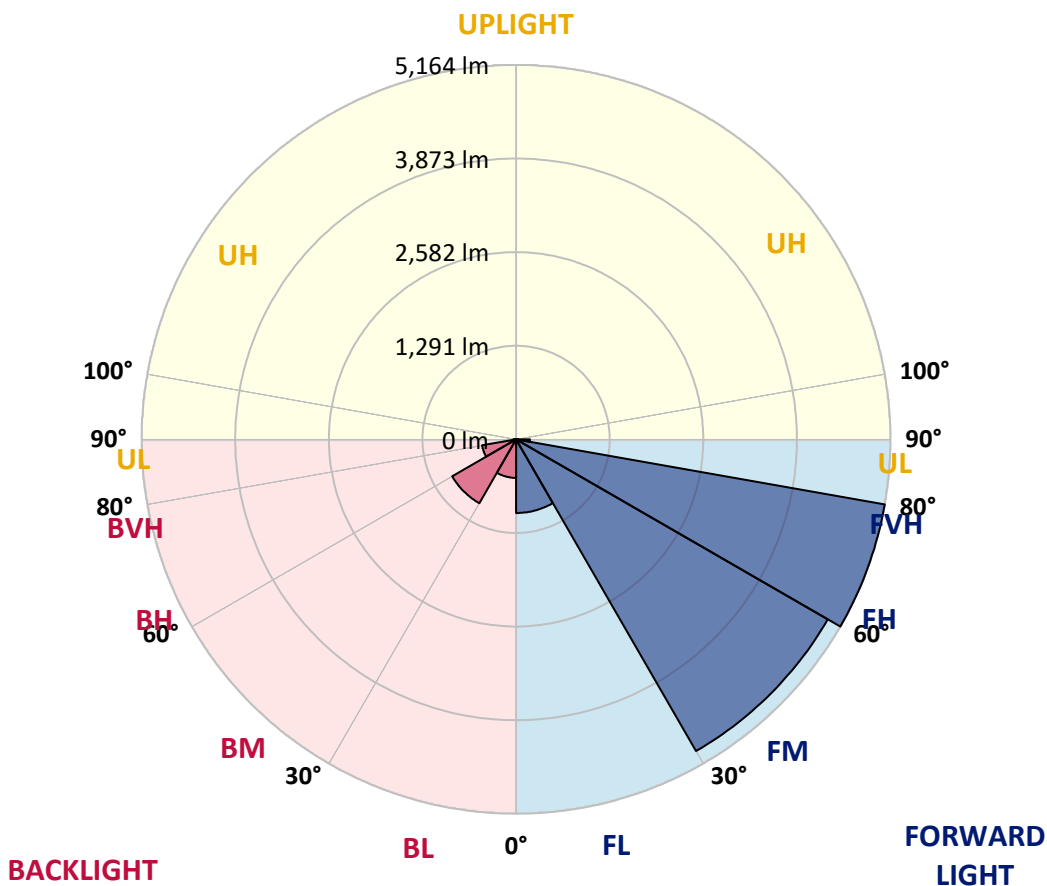
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1015.6	7.6			
FM (30°-60°)	4963.4	37.0			
FH (60°-80°)	5163.5	38.5			G3/7500
FVH (80°-90°)	191.0	1.4			G2/225
BL (0°-30°)	531.8	4.0	B2/1000		
BM (30°-60°)	1017.1	7.6	B2/2500		
BH (60°-80°)	476.3	3.6	B1/500		G1/500
BVH (80°-90°)	38.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0
2.5°	2289.0	2293.0	2296.0	2300.0	2298.0	2292.0	2297.0	2297.0	2286.0	2274.0	2263.0
5°	2292.0	2297.0	2296.0	2295.0	2287.0	2277.0	2277.0	2271.0	2252.0	2233.0	2215.0
7.5°	2286.0	2285.0	2284.0	2281.0	2272.0	2261.0	2259.0	2247.0	2222.0	2196.0	2170.0
10°	2259.0	2258.0	2261.0	2268.0	2266.0	2256.0	2256.0	2245.0	2216.0	2184.0	2150.0
12.5°	2237.0	2237.0	2249.0	2268.0	2275.0	2271.0	2272.0	2264.0	2231.0	2193.0	2153.0
15°	2240.0	2241.0	2267.0	2298.0	2311.0	2308.0	2309.0	2300.0	2263.0	2225.0	2171.0
17.5°	2260.0	2265.0	2310.0	2353.0	2370.0	2366.0	2359.0	2344.0	2302.0	2259.0	2193.0
20°	2302.0	2310.0	2368.0	2422.0	2442.0	2433.0	2421.0	2391.0	2345.0	2298.0	2217.0
22.5°	2385.0	2390.0	2454.0	2507.0	2523.0	2512.0	2488.0	2445.0	2392.0	2343.0	2246.0
25°	2502.0	2508.0	2569.0	2618.0	2614.0	2601.0	2568.0	2515.0	2452.0	2400.0	2288.0
27.5°	2641.0	2651.0	2711.0	2750.0	2724.0	2705.0	2668.0	2604.0	2533.0	2486.0	2352.0
30°	2793.0	2797.0	2848.0	2887.0	2847.0	2821.0	2776.0	2707.0	2643.0	2608.0	2448.0
32.5°	2940.0	2944.0	2988.0	3010.0	2968.0	2949.0	2910.0	2837.0	2792.0	2773.0	2591.0
35°	3095.0	3094.0	3130.0	3149.0	3106.0	3098.0	3058.0	3002.0	2994.0	3019.0	2800.0
37.5°	3249.9	3240.9	3259.9	3284.9	3260.9	3268.9	3242.9	3223.9	3254.9	3319.9	3078.0
40°	3373.9	3373.9	3393.9	3424.9	3432.9	3467.9	3452.9	3477.9	3577.9	3732.9	3421.9
42.5°	3483.9	3484.9	3526.9	3574.9	3632.9	3686.9	3698.9	3763.9	3970.9	4213.9	3853.9
45°	3598.9	3599.9	3656.9	3726.9	3849.9	3952.9	3976.9	4122.9	4418.9	4714.9	4322.9
47.5°	3731.9	3720.9	3799.9	3916.9	4091.9	4239.9	4301.9	4508.9	4882.9	5246.9	4764.9
50°	3881.9	3858.9	3946.9	4148.9	4364.9	4567.9	4671.9	4908.9	5380.9	5737.9	5180.9
52.5°	4050.9	4037.9	4129.9	4375.9	4705.9	4939.9	5080.9	5391.9	5864.9	6226.9	5510.9
55°	4260.9	4229.9	4362.9	4675.9	5105.9	5403.9	5570.9	5869.9	6393.9	6670.9	5762.9
57.5°	4490.9	4456.9	4634.9	5050.9	5625.9	5952.9	6161.9	6407.9	6891.9	7010.9	5910.9
60°	4738.9	4727.9	4938.9	5490.9	6245.9	6625.9	6776.9	6999.9	7324.9	7207.9	5873.9
62.5°	4965.9	4961.9	5268.9	5967.9	6902.9	7320.9	7440.9	7499.9	7636.9	7194.9	5579.9
65°	5204.9	5238.9	5653.9	6520.9	7655.9	8065.9	8115.9	7965.9	7741.9	6853.9	4977.9
67.5°	5234.9	5300.9	5895.9	7038.9	8369.9	8756.9	8716.9	8142.9	7431.9	5904.9	3901.9
70°	4681.9	4796.9	5509.9	7117.9	8872.9	9157.9	8868.9	7761.9	6306.9	4277.9	2454.0
72.5°	3911.9	4010.9	4640.9	6069.9	8223.9	8586.9	8195.9	6569.9	4456.9	2454.0	1250.0
75°	3045.0	3160.0	3740.9	4824.9	6156.9	6301.9	6105.9	4581.9	2450.0	1012.0	568.0
77.5°	1858.0	1941.0	2393.0	3268.9	4307.9	4090.9	3466.9	2569.0	1075.0	485.0	351.0
80°	822.0	873.0	1179.0	1756.0	2489.0	2353.0	1855.0	1097.0	588.0	308.0	245.0
82.5°	441.0	474.0	581.0	695.0	1093.0	1143.0	927.0	632.0	316.0	176.0	140.0
85°	194.0	213.0	264.0	252.0	359.0	353.0	356.0	434.0	151.0	81.0	91.0
87.5°	0.0	0.0	0.0	0.0	1.0	1.0	11.0	58.0	15.0	24.0	21.0
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°	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0	2275.0
2.5°	2251.0	2233.0	2228.0	2222.0	2211.0	2192.0	2178.0	2162.0	2155.0	2147.0	2148.0
5°	2195.0	2173.0	2152.0	2125.0	2091.0	2053.0	2027.0	1997.0	1981.0	1966.0	1970.0
7.5°	2147.0	2113.0	2070.0	2013.0	1952.0	1884.0	1829.0	1786.0	1757.0	1737.0	1747.0
10°	2117.0	2077.0	2002.0	1909.0	1806.0	1702.0	1623.0	1549.0	1503.0	1467.0	1465.0
12.5°	2111.0	2059.0	1950.0	1815.0	1666.0	1527.0	1411.0	1311.0	1250.0	1205.0	1222.0
15°	2117.0	2051.0	1905.0	1728.0	1540.0	1352.0	1208.0	1093.0	1020.0	979.0	976.0
17.5°	2124.0	2043.0	1854.0	1634.0	1408.0	1193.0	1026.0	904.0	829.0	788.0	789.0
20°	2130.0	2031.0	1794.0	1531.0	1274.0	1045.0	872.0	756.0	689.0	659.0	664.0
22.5°	2140.0	2019.0	1730.0	1421.0	1137.0	902.0	750.0	656.0	616.0	596.0	597.0
25°	2159.0	2012.0	1664.0	1301.0	1002.0	788.0	666.0	603.0	578.0	566.0	565.0
27.5°	2198.0	2018.0	1595.0	1185.0	880.0	701.0	612.0	571.0	554.0	546.0	545.0
30°	2263.0	2042.0	1535.0	1067.0	775.0	633.0	575.0	550.0	540.0	533.0	532.0
32.5°	2362.0	2087.0	1470.0	957.0	690.0	583.0	546.0	533.0	526.0	522.0	522.0
35°	2512.0	2169.0	1406.0	861.0	624.0	544.0	523.0	518.0	512.0	510.0	512.0
37.5°	2728.0	2300.0	1348.0	777.0	577.0	514.0	498.0	500.0	495.0	498.0	501.0
40°	3002.0	2475.0	1299.0	708.0	542.0	492.0	476.0	483.0	480.0	483.0	488.0
42.5°	3348.9	2692.0	1262.0	654.0	517.0	474.0	459.0	466.0	464.0	468.0	473.0
45°	3735.9	2978.0	1245.0	616.0	499.0	461.0	445.0	450.0	448.0	451.0	456.0
47.5°	4106.9	3237.9	1260.0	594.0	484.0	450.0	433.0	435.0	434.0	433.0	436.0
50°	4426.9	3444.9	1303.0	587.0	474.0	439.0	423.0	424.0	421.0	415.0	417.0
52.5°	4687.9	3610.9	1329.0	587.0	469.0	427.0	412.0	413.0	407.0	399.0	400.0
55°	4859.9	3677.9	1308.0	586.0	467.0	417.0	401.0	402.0	396.0	386.0	387.0
57.5°	4908.9	3612.9	1220.0	575.0	465.0	409.0	390.0	392.0	388.0	377.0	377.0
60°	4771.9	3374.9	1059.0	550.0	460.0	404.0	382.0	385.0	383.0	372.0	372.0
62.5°	4412.9	2952.0	867.0	512.0	446.0	398.0	375.0	381.0	386.0	380.0	379.0
65°	3740.9	2365.0	705.0	470.0	428.0	388.0	365.0	380.0	391.0	399.0	399.0
67.5°	2807.0	1693.0	575.0	426.0	401.0	368.0	352.0	366.0	374.0	379.0	382.0
70°	1711.0	996.0	453.0	375.0	362.0	338.0	326.0	312.0	301.0	299.0	300.0
72.5°	837.0	570.0	368.0	319.0	309.0	287.0	260.0	254.0	249.0	246.0	245.0
75°	461.0	397.0	304.0	265.0	247.0	220.0	214.0	204.0	202.0	198.0	199.0
77.5°	326.0	313.0	251.0	215.0	188.0	174.0	177.0	170.0	170.0	167.0	166.0
80°	245.0	246.0	193.0	157.0	139.0	134.0	137.0	137.0	135.0	134.0	133.0
82.5°	155.0	175.0	130.0	101.0	99.0	100.0	99.0	98.0	100.0	97.0	96.0
85°	107.0	126.0	79.0	60.0	60.0	59.0	61.0	60.0	62.0	59.0	59.0
87.5°	24.0	56.0	29.0	18.0	19.0	18.0	19.0	20.0	22.0	23.0	23.0
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)