

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: P634782

Luminaire Tested: GWS-SA3C-740-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12297 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

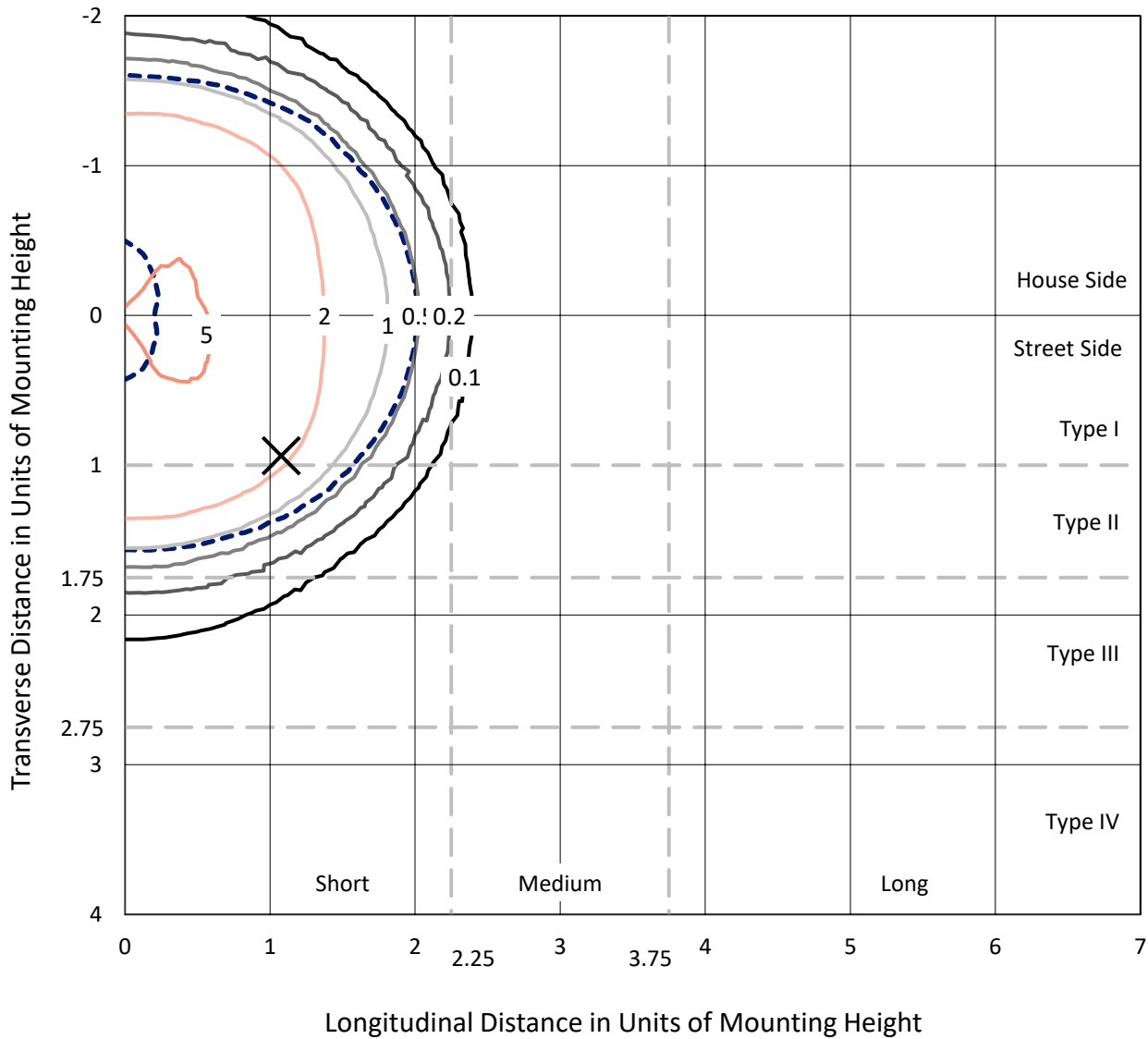
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

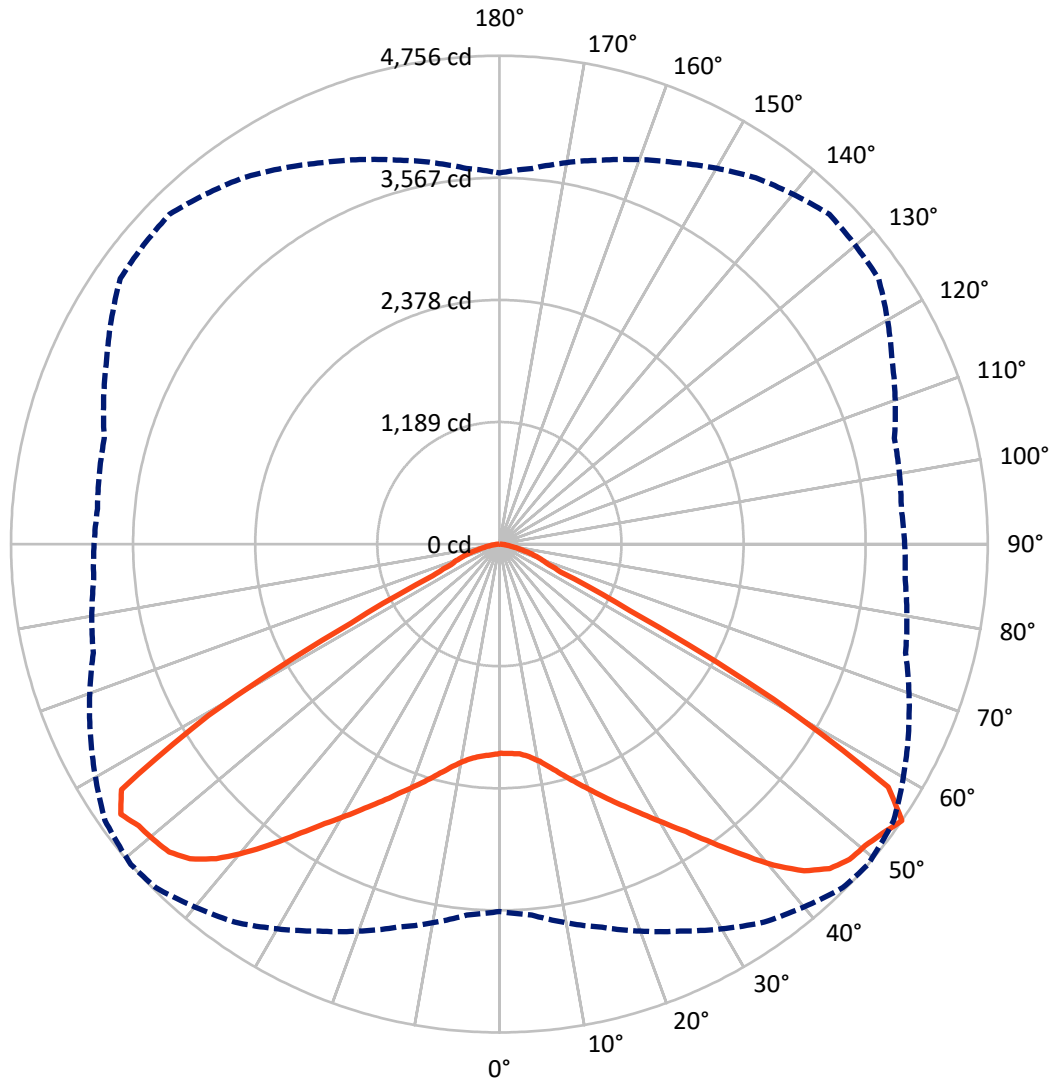
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6088.2	0.0	6088.2
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	6208.8	0.0	6208.8
	% Fixture	50.5	0.0	50.5
Total	Lumens	12297.0	0.0	12297.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.7	1.6
10°-20°	655.5	5.3
20°-30°	1248.5	10.2
30°-40°	2116.4	17.2
40°-50°	3185.0	25.9
50°-60°	3486.3	28.4
60°-70°	1102.4	9.0
70°-80°	264.6	2.2
80°-90°	39.7	0.3
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°	12297.0	100.0
0°-180°	12297.0	100.0

Coefficient of Utilization



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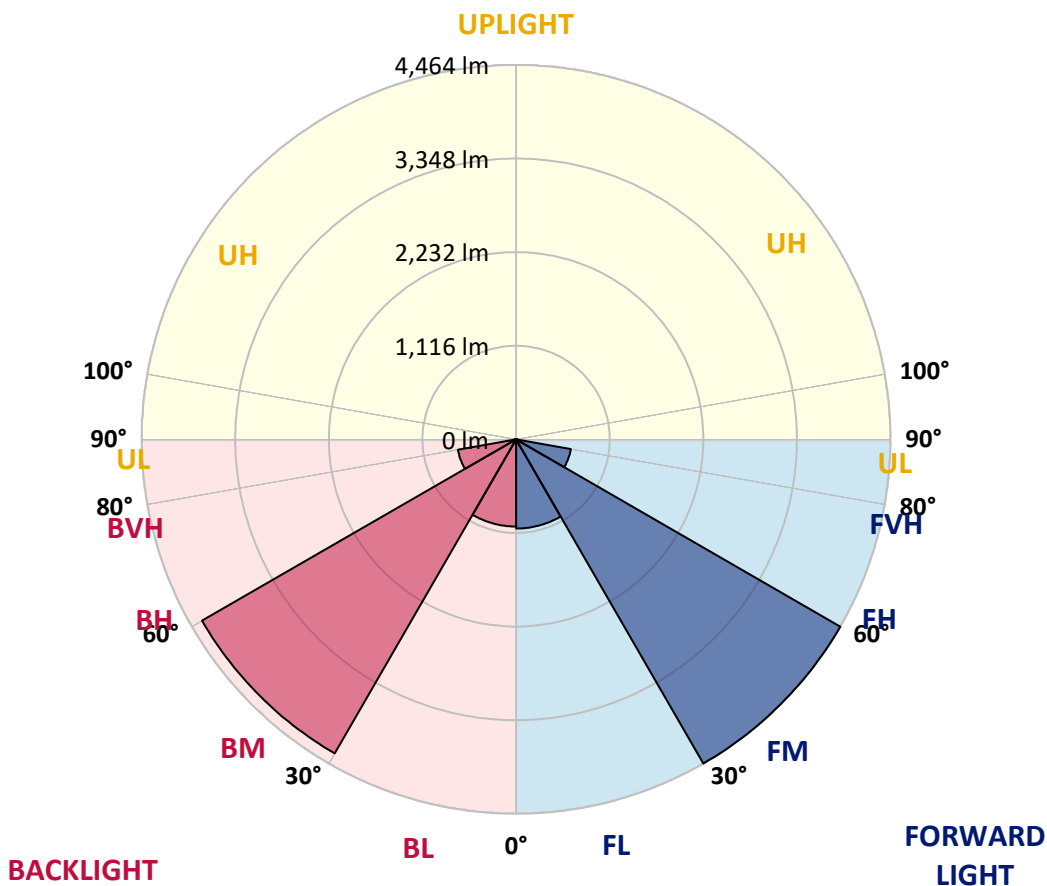
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1063.2	8.6			
FM (30°-60°)	4464.1	36.3			
FH (60°-80°)	663.1	5.4			G1/1800
FVH (80°-90°)	18.4	0.1			G1/100
BL (0°-30°)	1039.4	8.5	B3/2500		
BM (30°-60°)	4323.5	35.2	B3/5000		
BH (60°-80°)	703.8	5.7	B2/1000		G1/1800
BVH (80°-90°)	21.3	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1
2.5°	2007.1	2009.1	2013.1	2020.1	2027.1	2037.1	2041.1	2046.1	2045.1	2051.1	2051.1
5°	1997.1	2000.1	2006.1	2016.1	2028.1	2047.1	2052.1	2064.1	2076.1	2091.1	2096.1
7.5°	2009.1	2013.1	2020.1	2036.1	2054.1	2079.1	2089.1	2109.1	2132.1	2159.1	2170.1
10°	2032.1	2037.1	2049.1	2075.1	2104.1	2142.1	2151.1	2176.1	2213.1	2250.1	2272.1
12.5°	2058.1	2066.1	2088.1	2129.1	2172.1	2222.1	2236.1	2267.1	2307.1	2355.1	2385.1
15°	2088.1	2095.1	2129.1	2187.1	2254.1	2320.1	2336.1	2366.1	2411.1	2458.1	2500.1
17.5°	2151.1	2163.1	2203.1	2270.1	2348.1	2426.1	2444.1	2478.1	2514.1	2551.1	2591.1
20°	2237.1	2247.1	2298.1	2381.1	2473.1	2544.1	2562.1	2592.1	2609.1	2628.1	2662.1
22.5°	2323.1	2337.1	2395.1	2493.1	2601.1	2678.1	2692.1	2720.1	2708.1	2702.1	2724.1
25°	2430.1	2449.1	2506.1	2613.1	2723.1	2818.1	2829.1	2853.1	2833.1	2802.1	2801.1
27.5°	2563.1	2580.1	2639.1	2749.1	2858.1	2957.1	2978.1	3010.1	2966.1	2928.1	2901.1
30°	2721.1	2732.1	2797.1	2914.1	3026.1	3120.1	3147.1	3179.1	3146.1	3083.1	3056.1
32.5°	2905.1	2920.1	2995.1	3118.1	3218.1	3312.1	3339.1	3379.1	3343.1	3272.1	3238.1
35°	3126.1	3141.1	3220.1	3354.1	3456.1	3553.1	3572.1	3605.1	3560.1	3478.1	3451.1
37.5°	3366.1	3385.1	3485.1	3612.1	3719.1	3832.1	3833.1	3843.1	3779.1	3677.1	3647.1
40°	3636.1	3661.1	3761.1	3893.1	4022.1	4114.1	4113.1	4085.1	3977.1	3819.1	3773.1
42.5°	3903.1	3923.1	4024.1	4160.1	4289.2	4376.2	4350.2	4282.2	4126.1	3911.1	3850.1
45°	4096.1	4111.1	4217.2	4370.2	4501.2	4555.2	4508.2	4426.2	4215.2	3969.1	3879.1
47.5°	4187.1	4207.1	4314.2	4466.2	4614.2	4645.2	4589.2	4512.2	4267.2	4023.1	3902.1
50°	4138.1	4164.1	4285.2	4426.2	4593.2	4657.2	4617.2	4540.2	4322.2	4076.1	3943.1
52.5°	4011.1	4036.1	4189.1	4360.2	4549.2	4676.2	4675.2	4612.2	4385.2	4091.1	3945.1
55°	3577.1	3626.1	3864.1	4159.1	4495.2	4732.2	4756.2	4689.2	4395.2	4095.1	3966.1
57.5°	2328.1	2414.1	2640.1	3024.1	3698.1	4304.2	4466.2	4482.2	4323.2	4078.1	3970.1
60°	972.0	1041.0	1220.0	1475.1	2032.1	2753.1	3067.1	3382.1	3762.1	3900.1	3933.1
62.5°	604.0	610.0	628.0	686.0	872.0	1224.0	1426.1	1721.1	2286.1	2767.1	2989.1
65°	545.0	548.0	552.0	548.0	557.0	600.0	654.0	757.0	987.0	1226.0	1510.1
67.5°	480.0	484.0	487.0	484.0	487.0	489.0	495.0	504.0	546.0	580.0	606.0
70°	388.0	394.0	399.0	397.0	409.0	409.0	415.0	422.0	443.0	468.0	486.0
72.5°	296.0	291.0	297.0	299.0	310.0	316.0	325.0	333.0	357.0	372.0	395.0
75°	192.0	187.0	196.0	201.0	216.0	224.0	232.0	240.0	257.0	267.0	289.0
77.5°	104.0	103.0	112.0	119.0	135.0	145.0	151.0	157.0	171.0	174.0	188.0
80°	60.0	60.0	66.0	71.0	81.0	92.0	98.0	103.0	113.0	116.0	122.0
82.5°	33.0	33.0	36.0	39.0	47.0	53.0	58.0	62.0	71.0	74.0	77.0
85°	16.0	15.0	17.0	19.0	22.0	25.0	28.0	30.0	37.0	39.0	43.0
87.5°	2.0	2.0	2.0	3.0	4.0	6.0	7.0	7.0	11.0	13.0	15.0
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°	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1	2037.1
2.5°	2057.1	2044.1	2052.1	2055.1	2055.1	2052.1	2039.1	2035.1	2029.1	2020.1	2020.1
5°	2103.1	2093.1	2095.1	2090.1	2078.1	2063.1	2039.1	2027.1	2017.1	2006.1	2005.1
7.5°	2182.1	2169.1	2167.1	2148.1	2116.1	2084.1	2048.1	2026.1	2011.1	1997.1	1996.1
10°	2285.1	2273.1	2258.1	2220.1	2173.1	2126.1	2077.1	2047.1	2025.1	2005.1	2004.1
12.5°	2400.1	2386.1	2358.1	2302.1	2243.1	2197.1	2141.1	2095.1	2062.1	2035.1	2030.1
15°	2525.1	2505.1	2457.1	2391.1	2333.1	2284.1	2224.1	2158.1	2108.1	2065.1	2060.1
17.5°	2621.1	2595.1	2543.1	2481.1	2433.1	2384.1	2306.1	2223.1	2151.1	2097.1	2089.1
20°	2687.1	2666.1	2607.1	2561.1	2533.1	2490.1	2399.1	2305.1	2224.1	2156.1	2152.1
22.5°	2748.1	2723.1	2665.1	2638.1	2638.1	2609.1	2522.1	2411.1	2316.1	2237.1	2227.1
25°	2817.1	2790.1	2746.1	2743.1	2757.1	2744.1	2639.1	2520.1	2409.1	2320.1	2304.1
27.5°	2913.1	2883.1	2857.1	2875.1	2895.1	2881.1	2764.1	2626.1	2509.1	2419.1	2405.1
30°	3066.1	3029.1	3005.1	3027.1	3066.1	3025.1	2898.1	2752.1	2634.1	2535.1	2528.1
32.5°	3244.1	3202.1	3177.1	3212.1	3247.1	3183.1	3057.1	2917.1	2793.1	2689.1	2677.1
35°	3458.1	3405.1	3368.1	3415.1	3451.1	3388.1	3263.1	3130.1	2992.1	2884.1	2868.1
37.5°	3648.1	3584.1	3559.1	3625.1	3673.1	3632.1	3496.1	3371.1	3220.1	3102.1	3095.1
40°	3786.1	3723.1	3705.1	3814.1	3898.1	3888.1	3766.1	3623.1	3481.1	3345.1	3332.1
42.5°	3846.1	3802.1	3806.1	3953.1	4083.1	4147.1	4038.1	3885.1	3748.1	3607.1	3598.1
45°	3859.1	3832.1	3864.1	4048.1	4219.2	4350.2	4257.2	4129.1	3974.1	3838.1	3834.1
47.5°	3873.1	3858.1	3907.1	4102.1	4305.2	4457.2	4405.2	4273.2	4116.1	3983.1	3973.1
50°	3906.1	3900.1	3955.1	4140.1	4346.2	4486.2	4427.2	4296.2	4135.1	4004.1	3980.1
52.5°	3916.1	3906.1	3985.1	4199.1	4414.2	4485.2	4358.2	4187.1	4025.1	3879.1	3854.1
55°	3947.1	3929.1	3983.1	4221.2	4508.2	4543.2	4354.2	4098.1	3872.1	3673.1	3614.1
57.5°	3955.1	3935.1	3970.1	4185.1	4406.2	4375.2	3827.1	3307.1	2881.1	2660.1	2685.1
60°	3912.1	3918.1	3858.1	3834.1	3534.1	3120.1	2343.1	1873.1	1471.1	1301.0	1338.0
62.5°	2978.1	3003.1	2798.1	2433.1	1871.1	1483.1	981.0	762.0	645.0	615.0	620.0
65°	1503.1	1537.1	1324.0	1095.0	814.0	658.0	569.0	551.0	545.0	538.0	538.0
67.5°	595.0	605.0	597.0	559.0	520.0	506.0	502.0	500.0	493.0	489.0	490.0
70°	478.0	486.0	474.0	450.0	434.0	433.0	431.0	427.0	422.0	422.0	425.0
72.5°	390.0	398.0	381.0	366.0	354.0	345.0	340.0	337.0	330.0	330.0	333.0
75°	287.0	292.0	278.0	276.0	263.0	254.0	246.0	242.0	233.0	229.0	232.0
77.5°	191.0	190.0	183.0	183.0	178.0	167.0	158.0	149.0	137.0	129.0	131.0
80°	124.0	124.0	121.0	121.0	116.0	107.0	96.0	87.0	80.0	74.0	74.0
82.5°	79.0	78.0	77.0	76.0	74.0	65.0	57.0	51.0	46.0	42.0	43.0
85°	44.0	44.0	42.0	42.0	38.0	33.0	29.0	25.0	22.0	21.0	21.0
87.5°	15.0	15.0	14.0	14.0	12.0	9.0	7.0	6.0	5.0	4.0	5.0
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)