

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: P635067

Luminaire Tested: GWS-SA3D-722-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635067
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10213.5 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

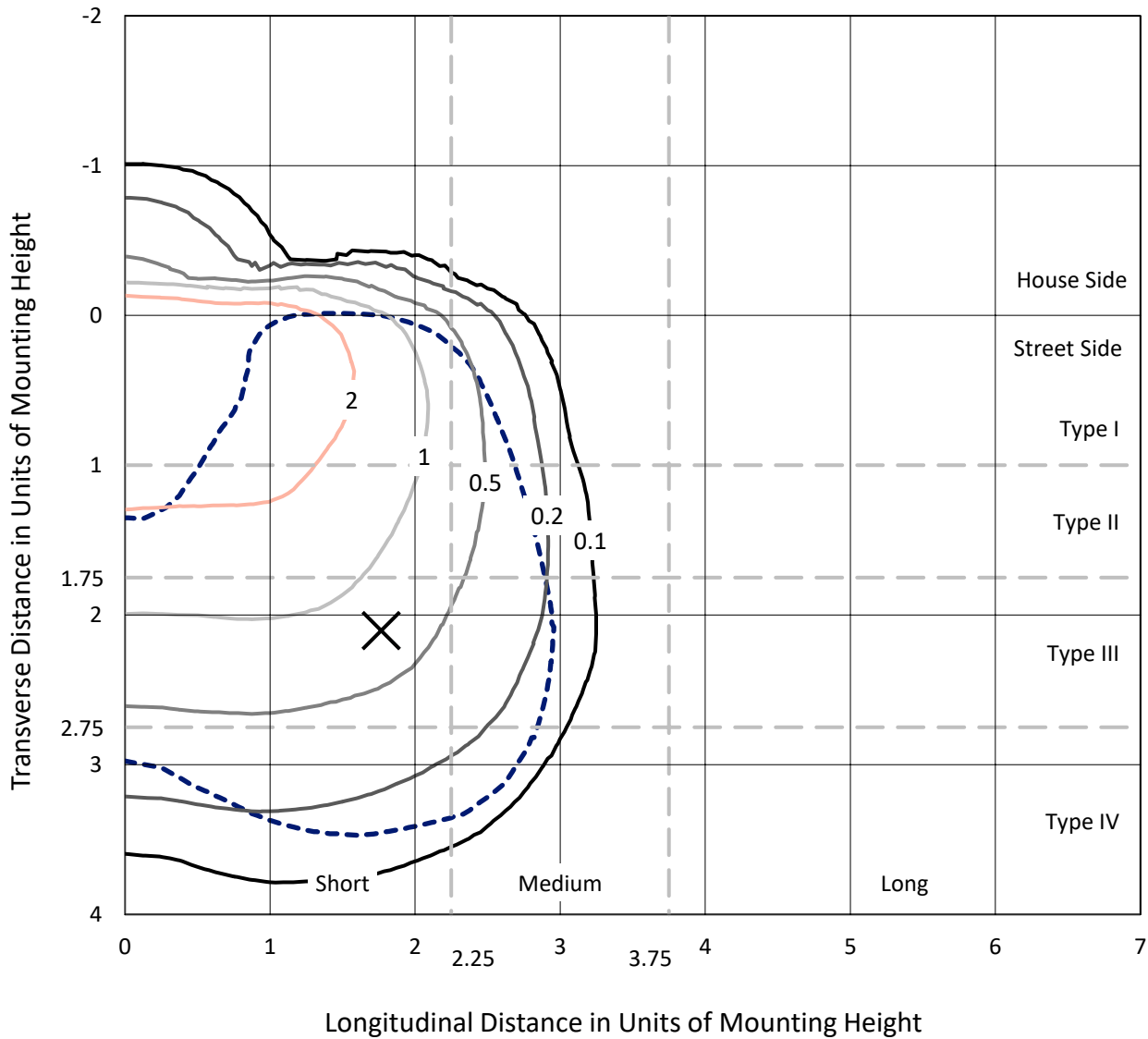
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

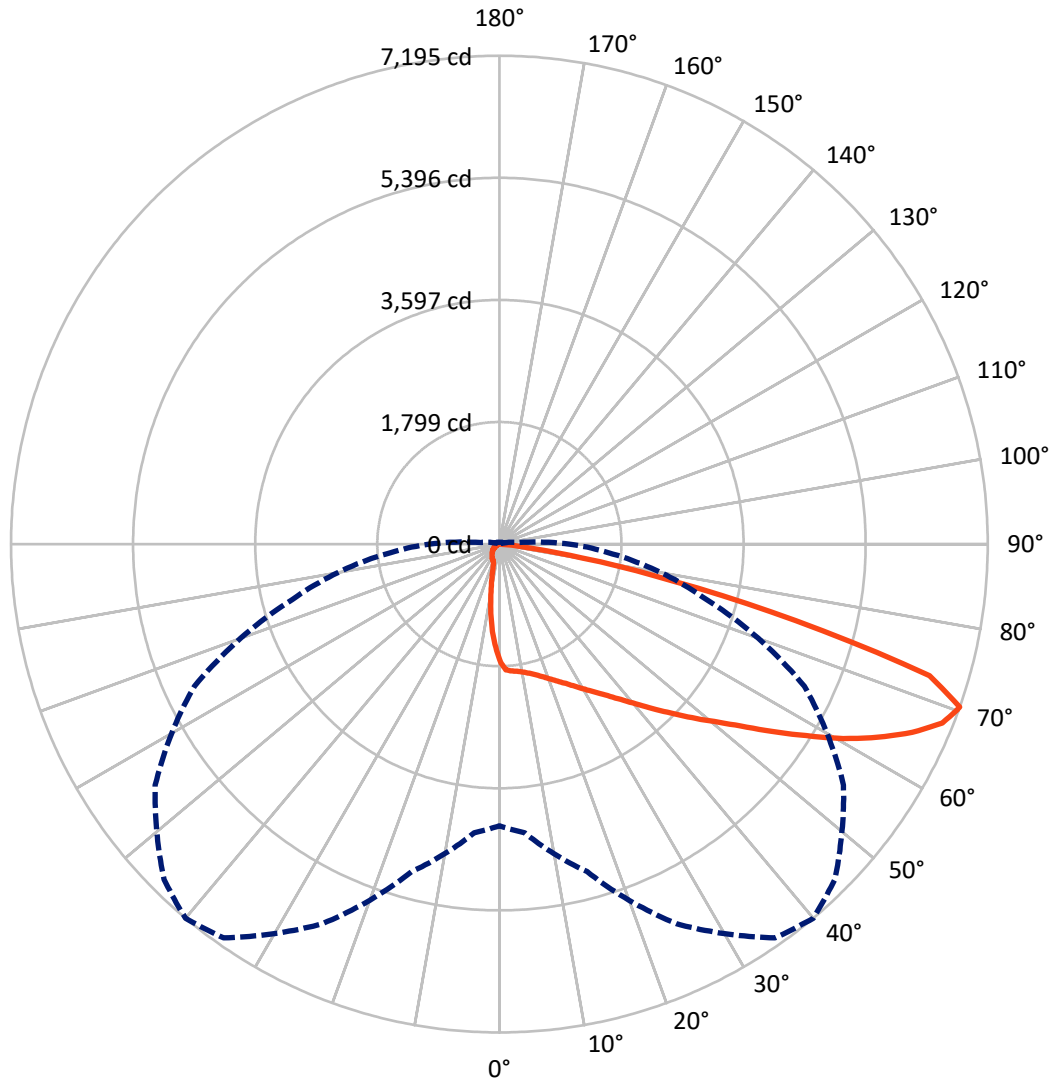
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.7 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	835.2	0.0	835.2
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	9378.3	0.0	9378.3
	% Fixture	91.8	0.0	91.8
Total	Lumens	10213.5	0.0	10213.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.5	1.4
10°-20°	371.5	3.6
20°-30°	621.8	6.1
30°-40°	976.6	9.6
40°-50°	1544.7	15.1
50°-60°	2253.4	22.1
60°-70°	2793.4	27.4
70°-80°	1413.3	13.8
80°-90°	92.3	0.9
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°	10213.5	100.0
0°-180°	10213.5	100.0

Coefficient of Utilization



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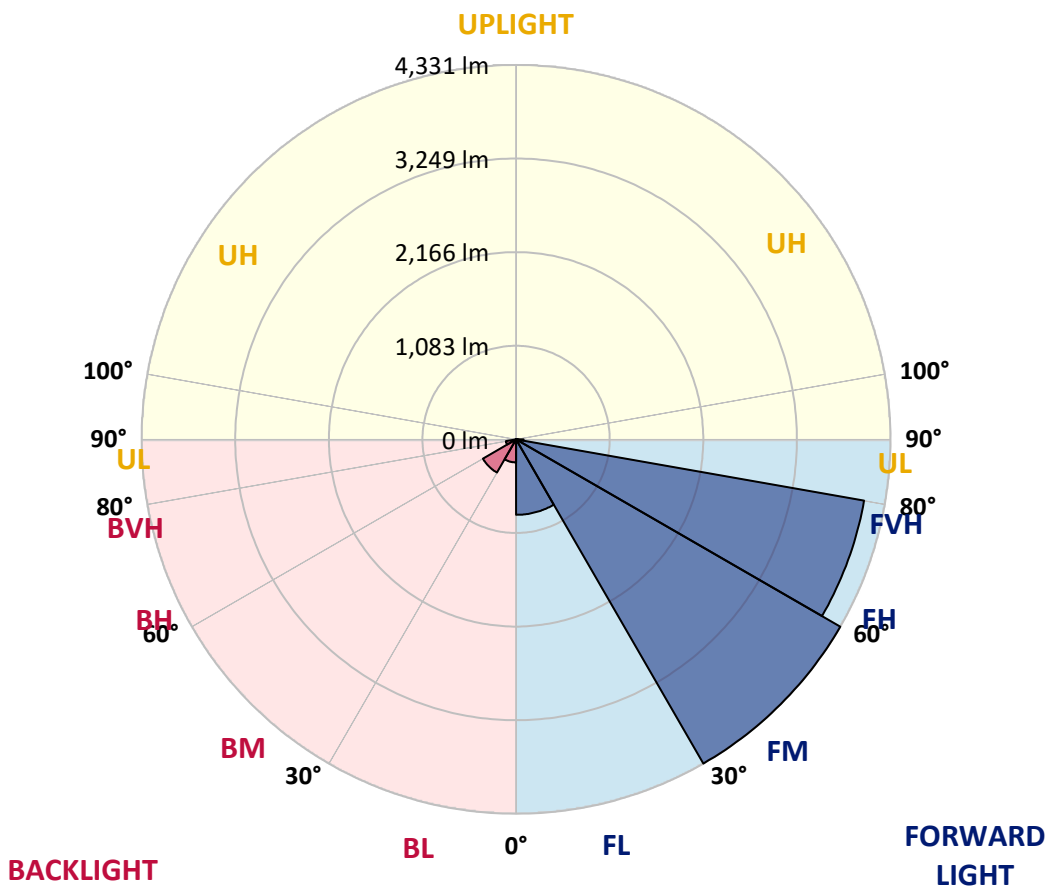
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	873.1	8.5			
FM (30°-60°)	4331.4	42.4			
FH (60°-80°)	4087.6	40.0			G2/5000
FVH (80°-90°)	86.2	0.8			G1/100
BL (0°-30°)	266.7	2.6	B1/500		
BM (30°-60°)	443.3	4.3	B1/1000		
BH (60°-80°)	119.1	1.2	B1/500		G1/500
BVH (80°-90°)	6.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1
2.5°	1863.2	1869.7	1868.8	1871.6	1865.1	1854.8	1853.0	1839.0	1814.0	1782.4	1747.0
5°	1901.3	1908.7	1903.2	1900.4	1888.3	1877.1	1874.4	1859.5	1830.7	1787.9	1726.6
7.5°	1933.8	1935.7	1932.0	1925.5	1907.8	1892.9	1882.7	1862.3	1827.9	1785.1	1714.5
10°	1939.4	1938.5	1940.3	1941.3	1930.1	1917.1	1908.7	1880.9	1837.2	1791.7	1715.5
12.5°	1932.9	1932.9	1945.0	1958.9	1958.9	1952.4	1944.1	1919.0	1867.9	1814.0	1734.0
15°	1941.3	1944.1	1967.3	1993.3	2001.7	1995.2	1991.4	1965.4	1912.5	1853.0	1767.5
17.5°	1971.0	1973.8	2011.0	2050.0	2060.2	2052.8	2045.3	2019.3	1962.6	1897.6	1805.6
20°	2014.7	2022.1	2069.5	2119.7	2129.0	2119.7	2104.8	2068.6	2011.9	1945.9	1841.8
22.5°	2094.6	2099.2	2150.4	2203.3	2208.0	2193.1	2170.8	2120.6	2061.1	1997.0	1882.7
25°	2200.5	2207.0	2258.2	2309.3	2297.2	2274.9	2244.2	2187.5	2119.7	2057.4	1934.8
27.5°	2326.9	2334.4	2384.5	2429.1	2397.5	2371.5	2337.1	2266.5	2197.7	2141.1	2001.7
30°	2463.5	2470.0	2514.6	2554.6	2512.8	2482.1	2441.2	2368.7	2299.0	2256.3	2096.5
32.5°	2595.5	2594.6	2637.3	2669.8	2627.1	2602.9	2565.7	2492.3	2436.6	2418.0	2237.7
35°	2718.1	2718.1	2753.5	2786.0	2755.3	2742.3	2707.9	2649.4	2617.8	2640.1	2426.4
37.5°	2841.7	2835.2	2868.7	2904.9	2902.1	2903.1	2883.6	2855.7	2857.5	2936.5	2685.6
40°	2944.0	2941.2	2980.2	3027.6	3064.8	3094.5	3082.4	3092.6	3151.2	3298.9	3017.4
42.5°	3025.7	3032.2	3082.4	3157.7	3251.6	3312.0	3320.3	3362.1	3512.7	3741.3	3391.9
45°	3119.6	3120.5	3190.2	3305.5	3455.1	3550.8	3584.2	3692.0	3905.8	4200.3	3802.6
47.5°	3234.8	3223.7	3301.7	3463.4	3680.0	3821.2	3880.7	4015.4	4346.2	4648.3	4137.2
50°	3362.1	3341.7	3430.0	3650.2	3931.8	4108.3	4229.2	4426.2	4783.0	5016.3	4386.2
52.5°	3509.9	3490.4	3590.7	3864.9	4233.8	4448.5	4603.7	4802.5	5157.5	5296.9	4534.9
55°	3697.6	3678.1	3784.0	4122.3	4590.6	4869.4	5032.1	5199.3	5506.0	5504.1	4642.7
57.5°	3905.8	3878.8	4025.6	4447.5	5035.8	5325.7	5491.1	5572.9	5770.8	5664.9	4715.2
60°	4144.6	4120.4	4323.9	4835.0	5549.7	5818.2	5922.3	5888.9	5988.3	5759.7	4690.1
62.5°	4360.2	4349.0	4601.8	5245.8	6039.4	6266.1	6294.9	6149.1	6148.1	5761.5	4521.0
65°	4584.1	4605.5	4980.9	5718.8	6531.9	6684.3	6635.1	6407.4	6212.2	5533.9	4021.0
67.5°	4667.8	4730.0	5230.9	6146.3	6920.4	7039.3	6952.9	6536.6	5945.5	4768.1	3062.0
70°	4151.1	4268.2	4994.9	6170.4	7081.1	7194.5	6987.3	6189.0	4956.8	3158.6	1677.4
72.5°	3156.8	3293.4	4162.2	5052.5	6368.4	6626.7	6272.6	5042.3	3194.9	1383.7	563.1
75°	1766.6	1914.3	3100.1	3804.5	4275.6	4511.7	4381.6	3234.8	1415.3	361.5	168.2
77.5°	597.5	646.8	1442.2	2353.9	2822.2	2610.3	2209.8	1606.7	520.4	137.5	89.2
80°	354.1	372.6	537.1	1171.8	1485.0	1231.3	972.0	593.8	264.8	73.4	62.3
82.5°	105.9	125.5	296.4	434.9	581.7	362.4	306.7	339.2	137.5	40.0	52.0
85°	0.0	0.0	63.2	134.7	152.4	59.5	59.5	192.4	25.1	16.7	38.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	4.6	2.8	3.7	8.4
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°	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1	1733.1
2.5°	1722.0	1689.4	1651.3	1615.1	1580.7	1536.1	1514.7	1488.7	1466.4	1454.3	1460.8
5°	1687.6	1636.5	1558.4	1479.4	1399.5	1324.2	1256.4	1210.9	1170.0	1148.6	1153.2
7.5°	1657.8	1589.1	1467.3	1338.2	1209.9	1080.8	975.7	894.0	830.8	804.8	800.1
10°	1644.8	1558.4	1386.5	1200.6	1003.6	829.8	681.2	591.0	526.9	495.3	500.9
12.5°	1651.3	1542.6	1317.7	1065.9	810.3	607.7	465.6	381.0	335.5	316.9	312.2
15°	1669.9	1538.9	1256.4	928.4	625.4	424.7	321.5	287.1	277.9	276.0	276.0
17.5°	1691.3	1539.8	1193.2	789.0	474.9	315.0	275.1	268.6	265.8	263.9	264.8
20°	1712.7	1539.8	1120.7	647.7	356.8	272.3	262.1	257.4	254.6	253.7	253.7
22.5°	1738.7	1539.8	1039.9	516.7	286.2	258.3	250.0	247.2	244.4	243.5	242.5
25°	1770.3	1540.7	950.7	404.2	260.2	246.3	239.8	237.0	234.2	232.3	232.3
27.5°	1815.8	1548.2	852.2	315.0	245.3	235.1	229.5	226.7	224.0	221.2	221.2
30°	1881.8	1566.8	741.6	260.2	231.4	223.0	217.5	215.6	212.8	210.0	209.1
32.5°	1980.3	1599.3	627.3	233.2	218.4	210.0	203.5	201.7	198.9	196.1	195.1
35°	2117.8	1658.8	515.8	216.5	201.7	193.3	189.6	188.6	184.9	182.1	182.1
37.5°	2319.5	1755.4	408.9	199.8	187.7	181.2	176.6	174.7	171.0	168.2	167.3
40°	2565.7	1880.9	317.8	186.8	174.7	168.2	163.6	160.8	156.1	152.4	150.5
42.5°	2879.8	2034.2	250.9	172.8	162.6	156.1	152.4	146.8	140.3	134.7	133.8
45°	3206.9	2192.2	207.2	159.8	151.5	145.9	141.3	133.8	124.5	118.0	116.2
47.5°	3457.9	2290.7	181.2	145.9	139.4	134.7	129.2	119.9	108.7	101.3	99.4
50°	3637.2	2305.5	161.7	132.9	129.2	124.5	116.2	105.0	92.9	85.5	83.6
52.5°	3725.5	2238.6	145.9	120.8	118.0	113.4	103.2	91.1	78.1	70.6	68.8
55°	3765.4	2112.3	131.0	110.6	106.9	101.3	90.1	77.1	64.1	57.6	55.8
57.5°	3749.6	1925.5	118.0	100.4	95.7	89.2	77.1	63.2	53.0	46.5	45.5
60°	3632.6	1663.4	105.0	90.1	84.6	77.1	65.0	52.0	42.7	38.1	37.2
62.5°	3379.8	1338.2	92.0	78.1	74.3	66.9	55.8	42.7	35.3	32.5	31.6
65°	2862.2	946.0	79.0	66.0	64.1	56.7	46.5	35.3	30.7	28.8	27.9
67.5°	2057.4	575.2	66.9	56.7	54.8	48.3	39.0	30.7	27.9	26.9	26.9
70°	1034.3	272.3	53.0	46.5	46.5	40.0	33.5	27.9	26.9	26.0	26.0
72.5°	351.3	116.2	40.0	36.2	38.1	34.4	28.8	26.0	26.0	26.0	26.0
75°	119.9	61.3	27.9	26.0	27.9	27.9	25.1	25.1	26.0	26.0	26.0
77.5°	78.1	40.9	19.5	17.7	21.4	21.4	21.4	23.2	25.1	25.1	25.1
80°	64.1	22.3	13.0	12.1	15.8	15.8	17.7	21.4	23.2	23.2	23.2
82.5°	54.8	13.9	7.4	8.4	11.2	12.1	14.9	17.7	20.4	21.4	21.4
85°	37.2	7.4	5.6	6.5	7.4	9.3	12.1	14.9	16.7	18.6	18.6
87.5°	10.2	2.8	3.7	4.6	4.6	6.5	9.3	11.2	13.0	13.9	13.9
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)