

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: P633381

Luminaire Tested: GWS-SA2E-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633381
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-SA2E-750-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9216.6 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

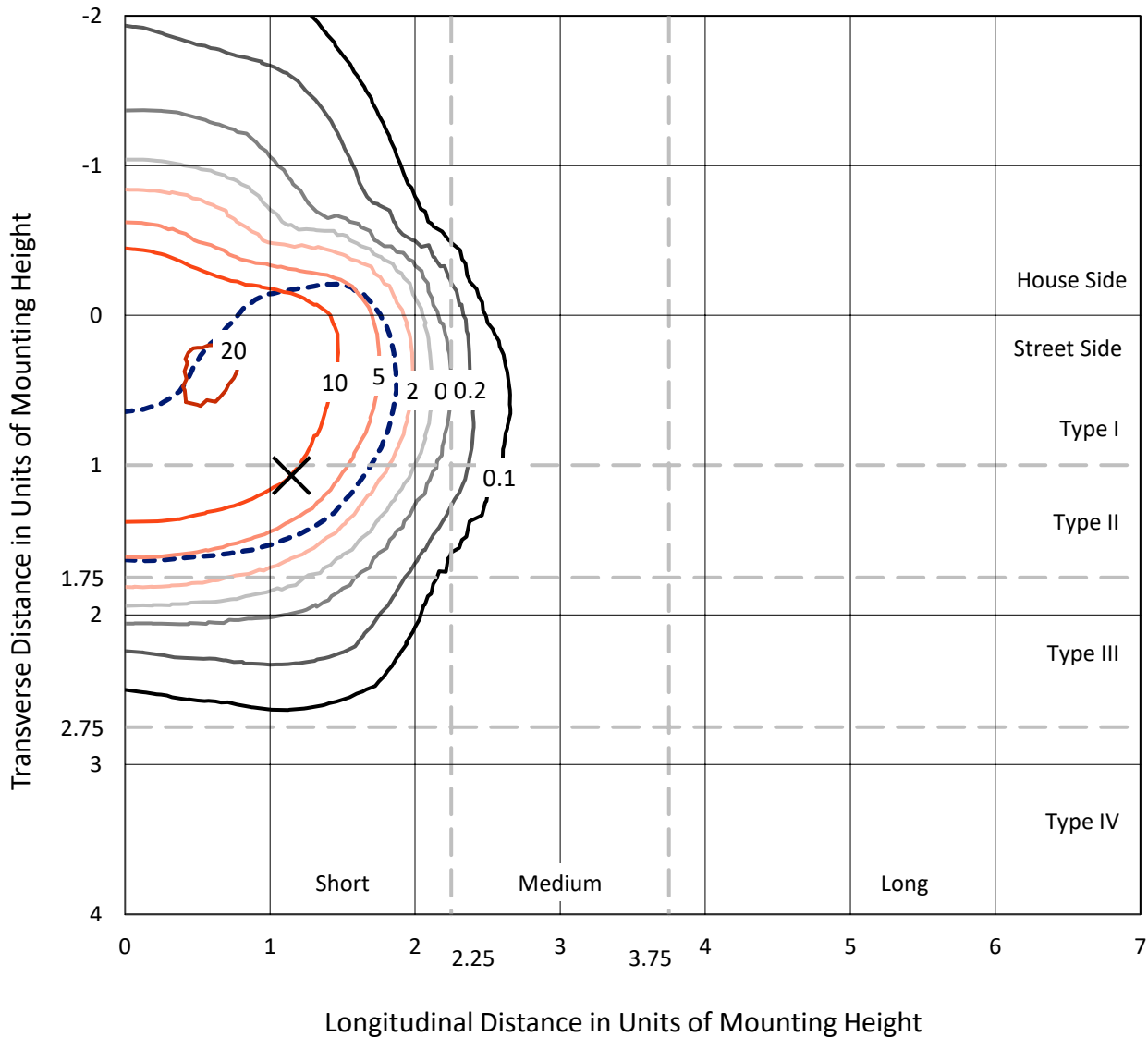
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

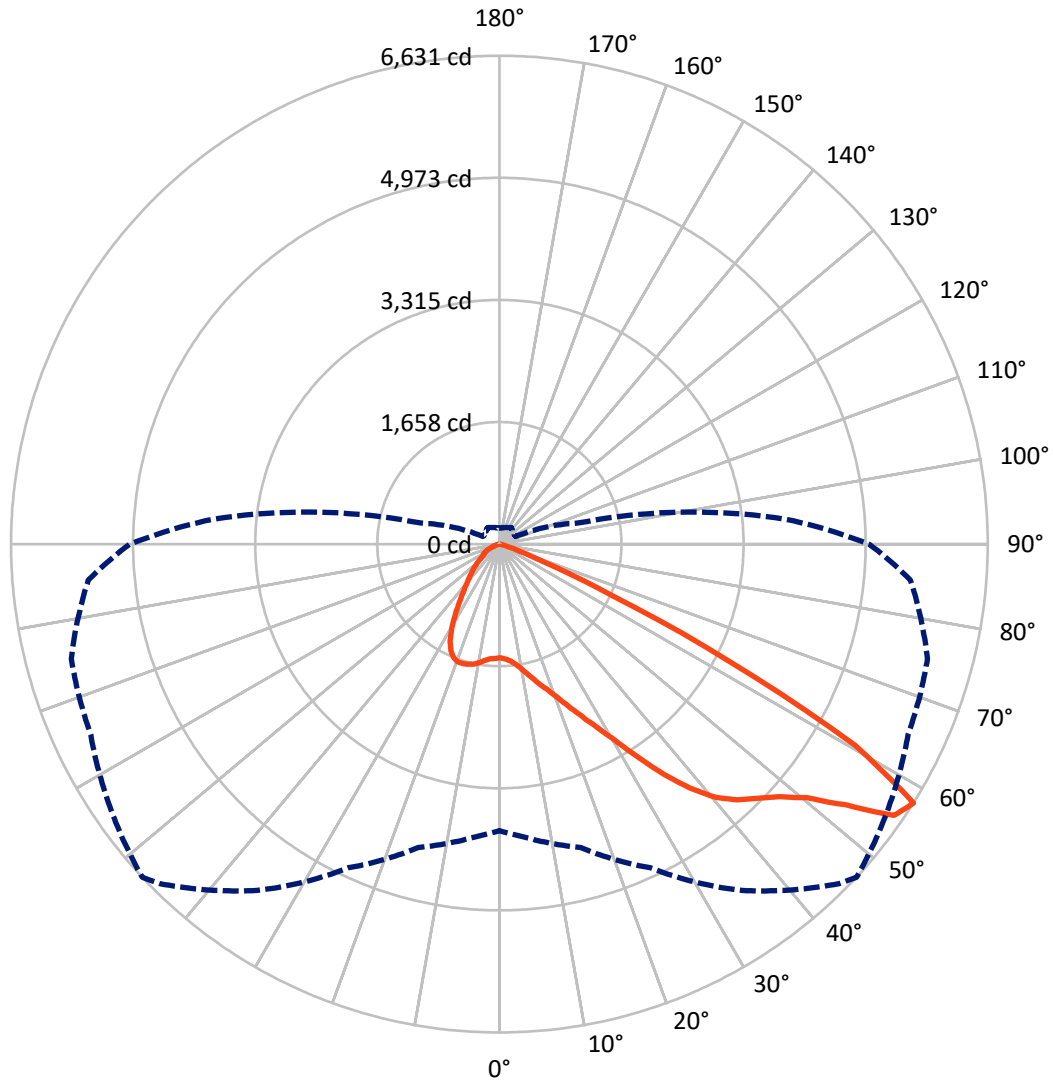
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.8 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	1999.5	0.0	1999.5
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	7217.1	0.0	7217.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	9216.6	0.0	9216.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.5	1.7
10°-20°	517.9	5.6
20°-30°	961.7	10.4
30°-40°	1539.5	16.7
40°-50°	2250.4	24.4
50°-60°	2777.3	30.1
60°-70°	928.0	10.1
70°-80°	86.5	0.9
80°-90°	1.8	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°	9216.6	100.0
0°-180°	9216.6	100.0

Coefficient of Utilization



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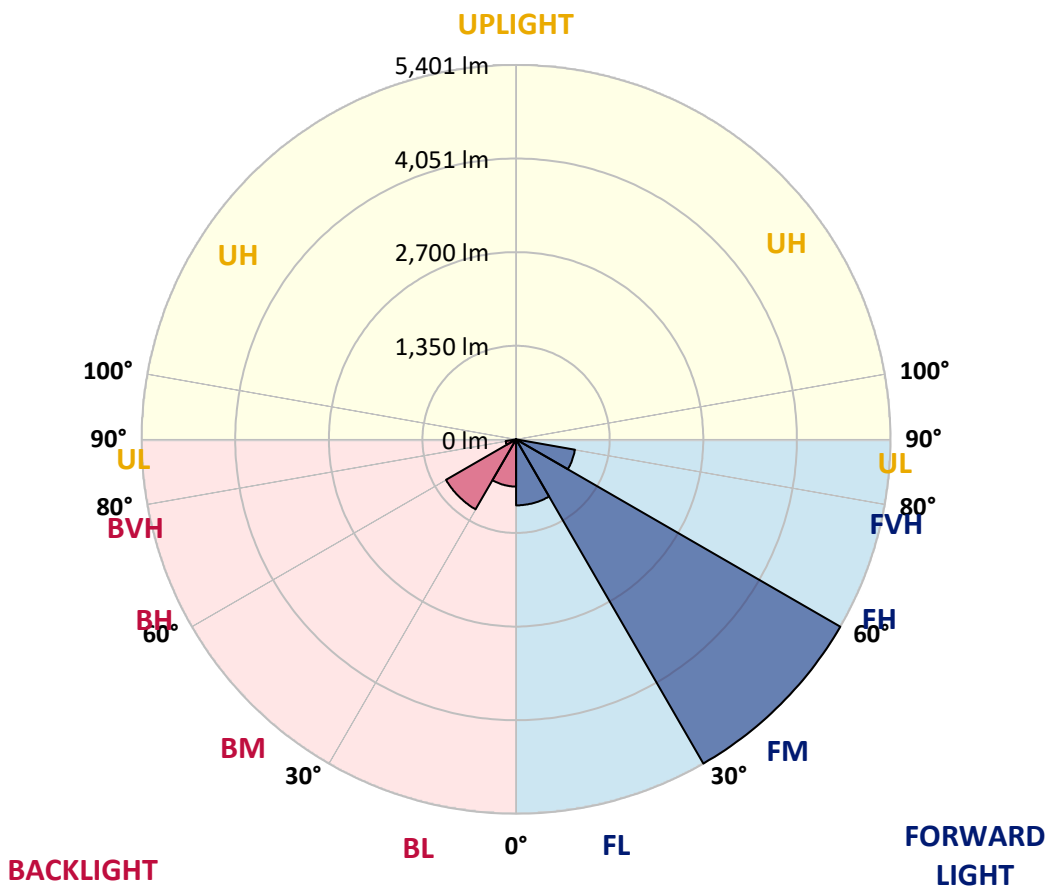
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	952.5	10.3			
FM (30°-60°)	5400.9	58.6			
FH (60°-80°)	862.5	9.4			G1/1800
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	680.6	7.4	B2/1000		
BM (30°-60°)	1166.3	12.7	B2/2500		
BH (60°-80°)	152.0	1.6	B1/500		G1/500
BVH (80°-90°)	0.6	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°	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9
2.5°	1558.9	1557.8	1556.8	1563.2	1561.1	1560.0	1562.1	1562.1	1562.1	1555.7	1542.9
5°	1596.4	1596.4	1595.3	1601.7	1596.4	1593.2	1594.2	1594.2	1589.9	1578.2	1562.1
7.5°	1655.2	1653.1	1650.9	1657.4	1652.0	1650.9	1653.1	1646.7	1639.2	1619.9	1597.4
10°	1739.7	1739.7	1736.5	1742.9	1738.7	1736.5	1736.5	1732.2	1718.3	1688.4	1655.2
12.5°	1856.4	1851.0	1843.5	1838.2	1836.0	1835.0	1836.0	1829.6	1814.6	1776.1	1730.1
15°	1983.7	1979.4	1967.6	1959.1	1947.3	1945.2	1951.6	1946.2	1931.3	1878.8	1813.6
17.5°	2144.2	2149.5	2119.6	2101.4	2067.1	2065.0	2067.1	2075.7	2065.0	1997.6	1902.4
20°	2281.1	2285.4	2262.9	2250.1	2219.1	2205.2	2209.4	2223.4	2211.6	2132.4	1999.7
22.5°	2427.7	2433.1	2409.5	2382.8	2368.9	2368.9	2384.9	2404.2	2388.1	2284.3	2111.0
25°	2603.2	2607.5	2588.2	2552.9	2528.3	2559.3	2582.9	2634.2	2607.5	2466.2	2242.6
27.5°	2804.3	2805.4	2777.6	2741.2	2728.4	2786.2	2809.7	2888.9	2878.2	2670.6	2381.7
30°	3019.4	3020.5	3014.1	2989.4	2977.7	3053.6	3085.7	3200.2	3192.7	2924.2	2571.1
32.5°	3243.0	3243.0	3254.8	3252.6	3266.6	3390.7	3442.0	3572.6	3565.1	3234.5	2806.5
35°	3467.7	3468.8	3489.1	3540.5	3598.2	3763.0	3830.4	3988.8	3971.7	3605.7	3107.1
37.5°	3723.4	3712.7	3740.5	3817.6	3946.0	4136.4	4200.6	4351.5	4332.2	3985.6	3499.8
40°	4031.6	4012.3	4012.3	4102.2	4247.7	4467.0	4521.6	4596.5	4531.2	4292.6	3885.0
42.5°	4371.8	4353.6	4330.1	4409.3	4531.2	4702.4	4747.4	4727.0	4673.5	4582.6	4323.7
45°	4716.3	4688.5	4704.6	4752.7	4823.3	4904.7	4921.8	4827.6	4803.0	4828.7	4686.4
47.5°	4978.5	4959.2	4998.8	5066.2	5124.0	5135.8	5124.0	4993.5	4991.3	5082.3	4937.8
50°	5066.2	5068.4	5177.5	5325.1	5418.2	5427.9	5411.8	5262.0	5241.7	5268.4	5073.7
52.5°	5074.8	5083.3	5242.8	5524.2	5777.7	5893.3	5880.4	5718.9	5519.9	5491.0	5279.1
55°	4868.3	4918.6	5141.1	5552.0	6091.2	6460.4	6503.2	6193.9	5898.6	5874.0	5721.0
57.5°	3891.4	3994.1	4262.7	4847.9	5741.4	6519.2	6630.5	6407.9	6122.3	6017.4	5602.3
60°	2326.1	2453.4	2711.3	3429.2	4369.7	5358.3	5549.8	5580.9	5449.3	5146.5	4298.0
62.5°	998.3	987.6	1305.3	1855.3	2598.9	3405.7	3492.3	3627.1	3741.6	3424.9	2608.5
65°	342.4	372.3	517.9	836.7	1301.1	1581.4	1658.4	1779.3	1942.0	1602.8	955.5
67.5°	211.9	224.7	298.5	494.3	701.9	691.2	656.9	637.7	620.6	424.8	262.1
70°	154.1	164.8	209.7	340.2	471.8	331.7	287.8	233.2	258.9	238.6	186.2
72.5°	103.8	112.3	144.4	206.5	241.8	161.6	149.8	170.1	205.4	195.8	151.9
75°	62.1	67.4	82.4	100.6	98.4	83.5	84.5	119.8	157.3	146.6	108.1
77.5°	42.8	44.9	54.6	65.3	48.1	25.7	23.5	33.2	53.5	53.5	36.4
80°	10.7	13.9	13.9	8.6	7.5	6.4	6.4	9.6	15.0	10.7	5.3
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1	2.1	2.1
85°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1	2.1
87.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.1	2.1
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°	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9	1542.9
2.5°	1550.4	1537.5	1546.1	1543.9	1550.4	1552.5	1542.9	1540.7	1541.8	1529.0	1524.7
5°	1565.3	1550.4	1554.6	1550.4	1557.8	1564.3	1561.1	1565.3	1570.7	1561.1	1556.8
7.5°	1597.4	1582.5	1581.4	1575.0	1585.7	1589.9	1588.9	1600.6	1611.3	1604.9	1598.5
10°	1653.1	1632.7	1630.6	1625.3	1628.5	1631.7	1619.9	1622.0	1631.7	1624.2	1621.0
12.5°	1721.6	1696.9	1691.6	1678.8	1678.8	1662.7	1637.0	1631.7	1639.2	1633.8	1628.5
15°	1795.4	1762.2	1753.6	1731.2	1709.8	1679.8	1653.1	1646.7	1652.0	1645.6	1641.3
17.5°	1877.8	1840.3	1812.5	1772.9	1725.8	1690.5	1660.6	1646.7	1638.1	1625.3	1624.2
20°	1959.1	1909.9	1862.8	1799.7	1737.6	1684.1	1634.9	1598.5	1567.5	1548.2	1540.7
22.5°	2053.2	1980.5	1904.5	1815.7	1726.9	1645.6	1558.9	1496.9	1443.4	1425.2	1416.6
25°	2153.8	2059.7	1946.2	1830.7	1690.5	1560.0	1442.3	1350.3	1279.7	1256.1	1246.5
27.5°	2265.1	2135.6	1989.0	1827.5	1615.6	1438.0	1281.8	1167.3	1097.8	1076.4	1083.9
30°	2406.3	2234.1	2042.5	1794.3	1503.3	1266.8	1083.9	987.6	935.1	914.8	915.9
32.5°	2594.6	2375.3	2120.6	1723.7	1358.8	1072.1	911.6	841.0	805.7	778.9	776.8
35°	2864.3	2590.4	2193.4	1610.3	1183.4	898.8	782.1	726.5	677.3	646.3	651.6
37.5°	3187.4	2861.0	2233.0	1457.3	986.5	763.9	684.8	628.1	572.4	526.4	531.8
40°	3570.4	3215.2	2229.8	1256.1	806.7	671.9	603.5	537.1	467.6	425.8	430.1
42.5°	3997.3	3550.1	2160.2	1043.2	668.7	597.0	525.3	441.9	374.5	348.8	349.9
45°	4367.5	3821.9	2038.3	822.8	562.8	524.3	444.0	358.4	328.5	310.3	309.2
47.5°	4641.4	4020.9	1863.9	647.3	477.2	457.9	364.9	321.0	297.4	282.5	280.3
50°	4794.4	4090.4	1671.3	507.2	403.4	388.4	326.3	291.0	275.0	265.3	263.2
52.5°	4999.9	4173.9	1533.2	400.2	338.1	317.8	300.7	270.7	260.0	252.5	249.3
55°	5325.1	4335.4	1413.4	317.8	281.4	277.1	283.5	258.9	252.5	240.7	236.5
57.5°	5019.1	3894.6	1097.8	246.1	237.5	253.6	273.9	247.2	231.1	220.4	216.1
60°	3531.9	2589.3	552.1	197.9	211.9	237.5	257.9	223.6	207.6	209.7	207.6
62.5°	1947.3	1295.7	248.2	165.8	184.0	209.7	220.4	193.7	183.0	201.2	204.4
65°	636.6	440.8	143.4	128.4	145.5	171.2	190.5	184.0	181.9	203.3	209.7
67.5°	195.8	145.5	97.4	92.0	100.6	126.3	160.5	199.0	214.0	220.4	223.6
70°	146.6	114.5	83.5	78.1	82.4	96.3	135.9	165.8	156.2	157.3	155.1
72.5°	117.7	90.9	71.7	68.5	68.5	66.3	71.7	89.9	101.6	107.0	107.0
75°	82.4	64.2	54.6	50.3	39.6	32.1	28.9	28.9	25.7	24.6	23.5
77.5°	27.8	23.5	21.4	17.1	11.8	9.6	8.6	7.5	5.3	3.2	2.1
80°	4.3	3.2	2.1	2.1	2.1	1.1	1.1	1.1	0.0	0.0	0.0
82.5°	2.1	2.1	2.1	2.1	2.1	1.1	1.1	0.0	0.0	0.0	0.0
85°	2.1	2.1	2.1	2.1	2.1	1.1	1.1	0.0	0.0	0.0	0.0
87.5°	2.1	2.1	2.1	2.1	1.1	1.1	1.1	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)