

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: P634889

Luminaire Tested: GWS-SA3C-760-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634889
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11802.1 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

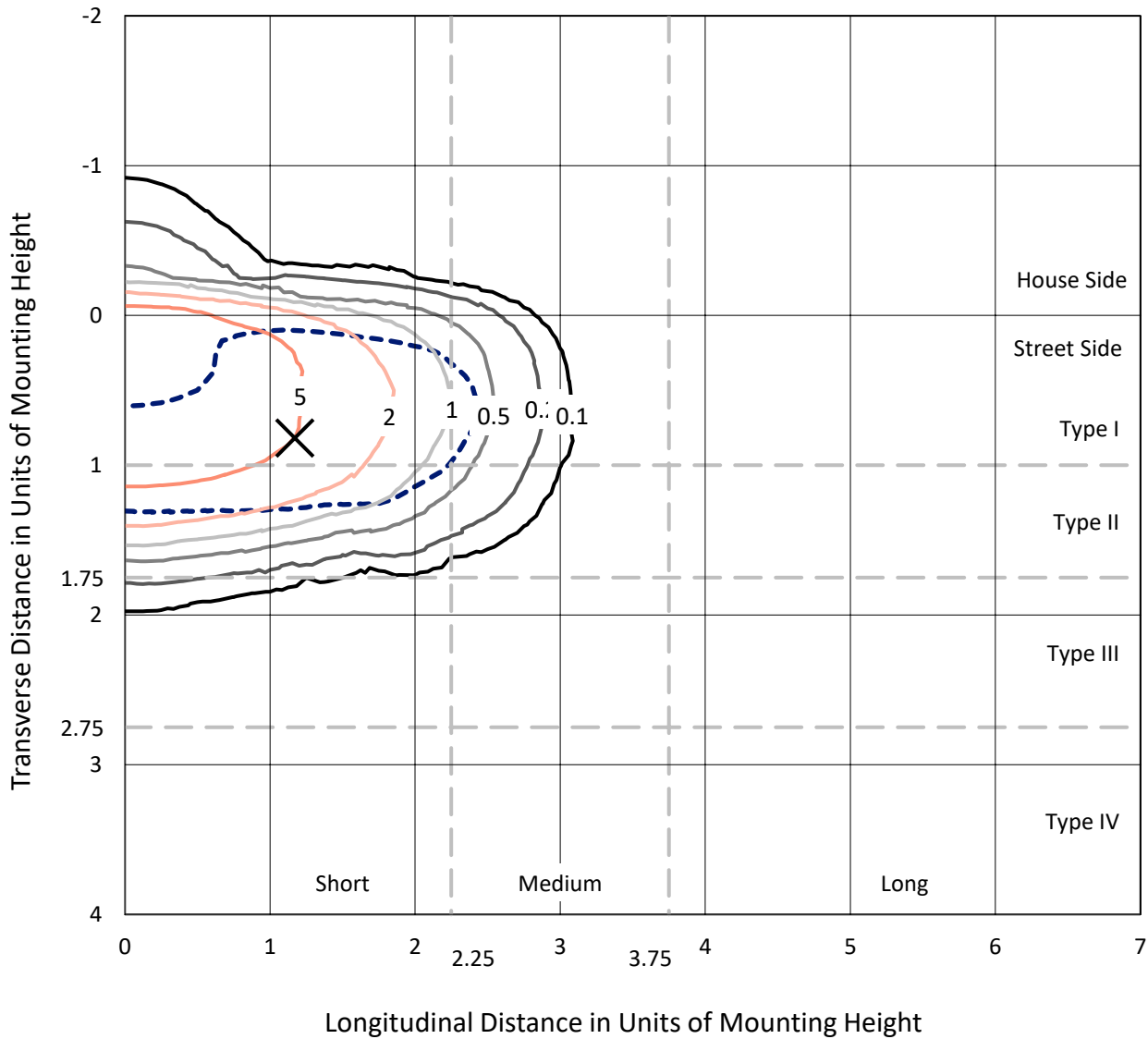
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

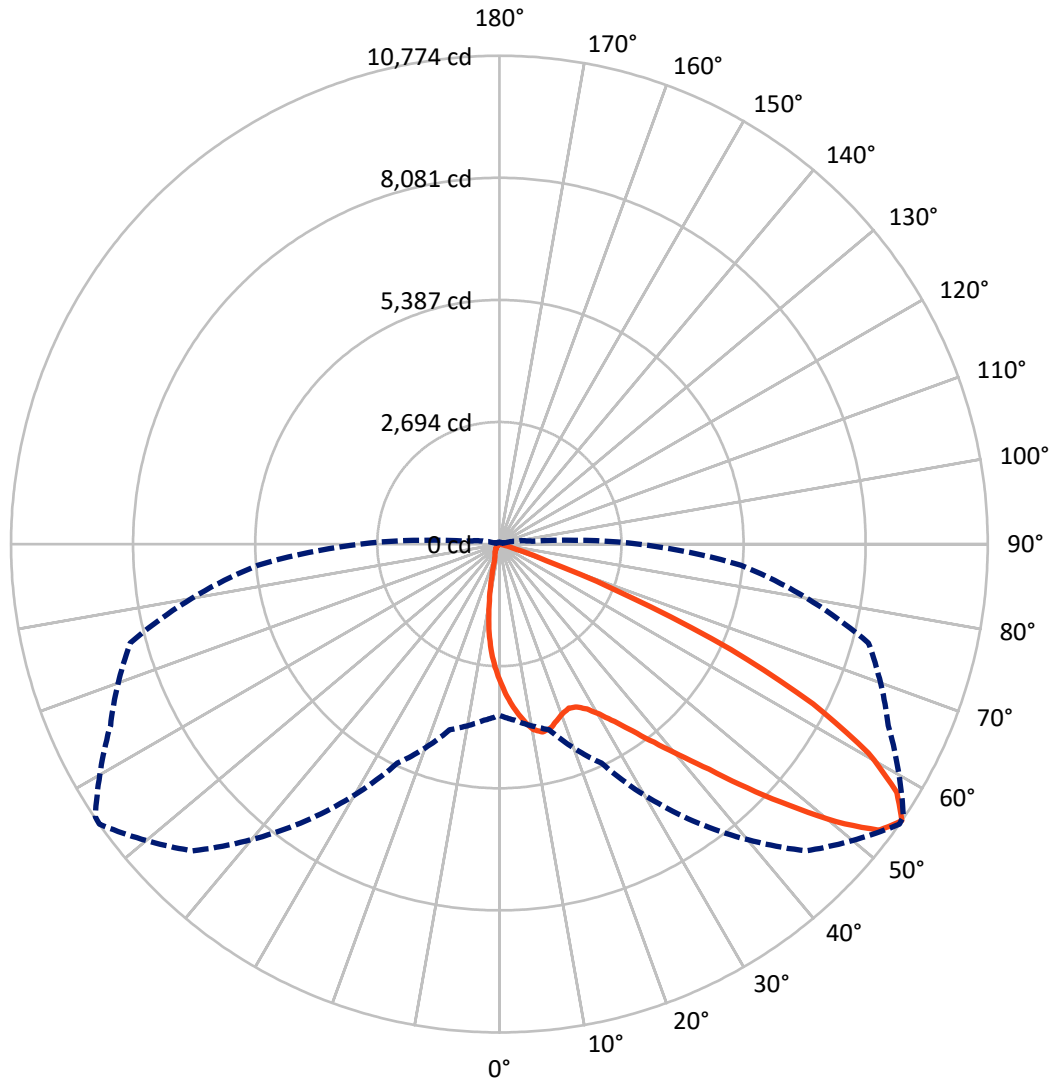
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	728.2	0.0	728.2
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	11073.9	0.0	11073.9
	% Fixture	93.8	0.0	93.8
Total	Lumens	11802.1	0.0	11802.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.5	2.3
10°-20°	649.6	5.5
20°-30°	1081.9	9.2
30°-40°	1843.6	15.6
40°-50°	3009.4	25.5
50°-60°	3150.7	26.7
60°-70°	1589.1	13.5
70°-80°	200.7	1.7
80°-90°	7.6	0.1
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°	11802.1	100.0
0°-180°	11802.1	100.0

Coefficient of Utilization

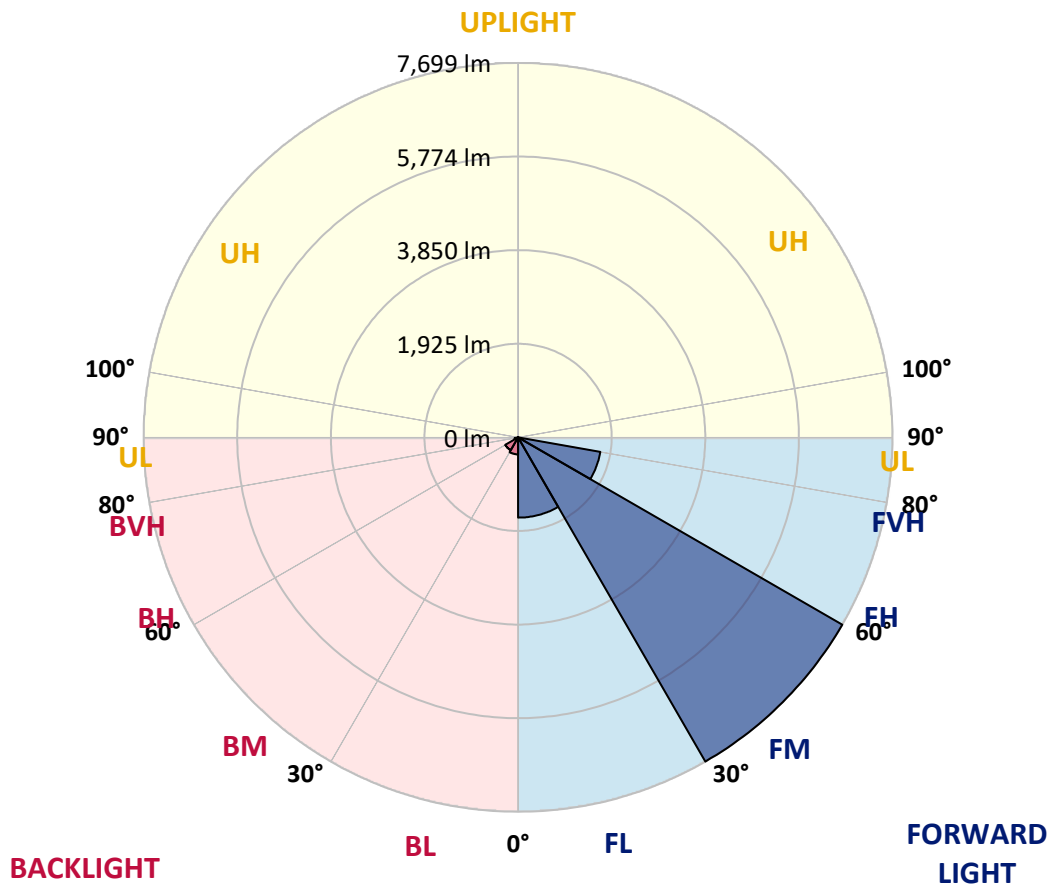


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1650.9	14.0			
FM (30°-60°)	7699.2	65.2			
FH (60°-80°)	1716.8	14.5			G1/1800
FVH (80°-90°)	6.9	0.1			G0/10
BL (0°-30°)	350.0	3.0	B1/500		
BM (30°-60°)	304.5	2.6	B1/1000		
BH (60°-80°)	73.0	0.6	B0/110		G0/110
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: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3049.0	3049.0	3049.0	3049.0	3049.0	3049.0	3049.0	3049.0	3049.0	3049.0	3049.0
2.5°	3554.4	3537.3	3563.5	3533.3	3481.8	3438.4	3381.9	3361.7	3270.9	3185.2	3102.4
5°	3986.3	3991.3	3983.2	3940.9	3868.2	3787.5	3673.5	3648.3	3489.9	3326.4	3149.9
7.5°	4093.2	4090.2	4107.3	4123.5	4111.4	4071.0	3946.9	3921.7	3725.0	3479.8	3222.5
10°	3763.3	3765.3	3800.6	3909.6	4044.8	4185.0	4165.9	4151.7	3959.0	3653.3	3303.2
12.5°	3297.2	3315.3	3352.7	3508.0	3737.1	4055.9	4253.6	4267.8	4173.9	3844.0	3398.1
15°	3095.4	3099.4	3129.7	3223.5	3394.0	3787.5	4216.3	4255.6	4353.5	4035.7	3501.0
17.5°	3090.3	3095.4	3108.5	3149.9	3260.8	3576.6	4096.2	4164.8	4488.7	4241.5	3624.1
20°	3280.0	3277.0	3267.9	3245.7	3294.1	3507.0	3985.3	4060.9	4562.4	4442.3	3748.2
22.5°	3624.1	3620.0	3579.7	3487.9	3448.5	3570.6	3930.8	3999.4	4606.8	4620.9	3850.1
25°	4020.6	4048.8	3973.1	3833.9	3737.1	3733.0	3979.2	4027.6	4645.1	4779.3	3919.7
27.5°	4455.4	4464.5	4399.9	4243.5	4103.3	3993.3	4119.4	4155.8	4687.5	4920.5	3959.0
30°	4932.6	4929.6	4856.0	4674.3	4503.8	4345.4	4355.5	4369.7	4786.3	5082.0	4002.4
32.5°	5528.9	5542.0	5410.9	5163.7	4958.9	4739.9	4664.3	4666.3	4964.9	5289.8	4068.0
35°	6339.1	6306.8	6133.3	5781.1	5432.1	5196.0	5066.8	5055.7	5240.4	5569.3	4182.0
37.5°	7110.9	7113.9	6932.3	6544.9	6104.0	5731.7	5549.1	5518.8	5627.8	5956.7	4371.7
40°	7646.6	7656.7	7581.1	7378.3	6911.1	6384.5	6116.1	6084.8	6130.2	6447.0	4619.9
42.5°	7930.2	7958.4	7979.6	8027.0	7672.9	7199.7	6787.0	6784.0	6736.6	7006.0	4907.4
45°	7941.2	7983.6	8112.8	8436.6	8477.0	8129.9	7680.9	7613.3	7430.7	7604.3	5164.7
47.5°	7502.4	7600.2	7874.7	8516.3	8940.1	9055.1	8610.2	8568.8	8056.3	8077.5	5357.4
50°	6479.3	6581.2	7086.7	8107.7	9057.1	9789.6	9630.2	9544.4	8578.9	8390.2	5450.2
52.5°	5430.0	5522.9	5865.9	7135.1	8571.8	10020.6	10489.8	10387.9	9048.0	8499.2	5411.9
55°	3778.4	3902.5	4237.5	5333.2	7453.9	9570.7	10774.3	10753.1	9466.7	8430.6	5352.3
57.5°	1852.4	1975.5	2309.4	3288.1	5521.8	8355.9	10339.5	10451.5	9717.0	8356.9	5303.9
60°	773.8	824.3	939.3	1442.8	3089.3	6314.9	9357.8	9513.2	9563.6	8257.0	5298.9
62.5°	449.0	457.0	469.2	598.3	1201.6	3620.0	7762.7	7983.6	8757.5	8124.9	5219.2
65°	339.0	342.0	337.0	367.2	496.4	1373.1	5608.6	5909.3	7309.7	7608.3	4904.4
67.5°	278.5	278.5	265.3	271.4	311.8	514.6	3096.4	3516.1	5408.8	6253.3	4049.8
70°	222.0	227.0	221.0	212.9	223.0	284.5	1101.7	1366.1	3149.9	3692.7	2361.9
72.5°	168.5	168.5	178.6	172.5	165.5	178.6	384.4	431.8	1264.2	1539.6	852.5
75°	130.2	134.2	141.2	135.2	125.1	105.9	184.6	195.7	381.4	358.2	190.7
77.5°	66.6	67.6	89.8	98.9	92.8	64.6	80.7	88.8	124.1	111.0	70.6
80°	40.4	42.4	50.4	77.7	61.5	34.3	33.3	35.3	58.5	50.4	29.3
82.5°	17.2	18.2	28.2	28.2	25.2	13.1	13.1	13.1	28.2	26.2	12.1
85°	0.0	0.0	5.0	4.0	4.0	5.0	5.0	5.0	7.1	10.1	6.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	3.0
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°	3049.0	3049.0	3049.0	3049.0	3049.0	3049.0	3049.0	3049.0	3049.0	3049.0	3049.0
2.5°	3049.0	2984.4	2897.6	2818.9	2713.0	2653.5	2570.7	2503.1	2445.6	2427.5	2419.4
5°	3050.0	2939.0	2753.4	2567.7	2339.7	2160.1	1975.5	1829.2	1709.1	1670.8	1660.7
7.5°	3070.2	2906.7	2606.1	2269.1	1887.7	1572.9	1291.4	1039.2	922.2	882.8	874.7
10°	3097.4	2879.5	2435.5	1910.9	1363.1	958.5	679.0	517.6	440.9	398.5	404.6
12.5°	3132.7	2857.3	2246.9	1523.5	902.0	526.7	373.3	312.8	296.6	288.6	284.5
15°	3180.1	2831.0	2012.8	1139.1	552.9	339.0	287.5	271.4	265.3	261.3	260.3
17.5°	3228.6	2800.8	1774.7	801.1	367.2	281.5	258.3	250.2	246.2	243.2	242.1
20°	3280.0	2749.3	1495.2	551.9	289.6	253.2	238.1	229.0	224.0	218.9	217.9
22.5°	3302.2	2666.6	1227.9	386.4	257.3	233.1	213.9	202.8	196.7	192.7	192.7
25°	3281.0	2532.4	951.4	293.6	234.1	210.9	191.7	179.6	174.5	170.5	170.5
27.5°	3224.5	2359.9	694.1	243.2	208.8	187.7	169.5	158.4	154.4	152.3	152.3
30°	3162.0	2141.9	489.3	208.8	180.6	163.4	148.3	141.2	140.2	138.2	138.2
32.5°	3108.5	1938.1	337.0	183.6	159.4	142.3	132.2	129.1	130.2	128.1	129.1
35°	3079.2	1738.4	250.2	163.4	142.3	126.1	121.1	121.1	121.1	120.1	120.1
37.5°	3091.3	1541.6	203.8	149.3	127.1	115.0	110.0	112.0	114.0	114.0	114.0
40°	3151.9	1367.1	180.6	136.2	114.0	104.9	100.9	103.9	106.9	109.0	109.0
42.5°	3228.6	1225.8	163.4	125.1	104.9	94.8	92.8	95.8	98.9	100.9	100.9
45°	3277.0	1083.6	146.3	111.0	95.8	83.7	83.7	87.8	86.8	87.8	87.8
47.5°	3299.2	970.6	129.1	95.8	81.7	72.6	73.7	75.7	73.7	75.7	75.7
50°	3244.7	856.6	114.0	79.7	67.6	63.6	65.6	64.6	64.6	68.6	68.6
52.5°	3144.8	771.8	100.9	67.6	57.5	56.5	58.5	54.5	55.5	55.5	54.5
55°	3071.2	723.4	89.8	58.5	49.4	50.4	49.4	42.4	38.3	34.3	33.3
57.5°	3034.8	704.2	81.7	52.5	44.4	44.4	40.4	29.3	22.2	17.2	15.1
60°	3026.8	681.0	73.7	45.4	39.3	37.3	29.3	17.2	11.1	8.1	7.1
62.5°	2950.1	624.5	66.6	36.3	34.3	30.3	18.2	10.1	6.1	4.0	3.0
65°	2698.9	513.5	59.5	28.2	26.2	22.2	11.1	6.1	3.0	1.0	0.0
67.5°	2147.0	364.2	52.5	21.2	18.2	14.1	7.1	4.0	1.0	0.0	0.0
70°	1238.0	196.7	43.4	15.1	12.1	9.1	5.0	2.0	0.0	0.0	0.0
72.5°	413.7	91.8	33.3	10.1	9.1	7.1	3.0	1.0	0.0	0.0	0.0
75°	90.8	54.5	22.2	7.1	6.1	5.0	2.0	0.0	0.0	0.0	0.0
77.5°	34.3	38.3	11.1	5.0	4.0	3.0	1.0	0.0	0.0	0.0	0.0
80°	13.1	25.2	5.0	3.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0
82.5°	7.1	10.1	3.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.0	5.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	1.0	1.0	1.0	0.0	0.0	0.0	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)