

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: ALL-PRO

Report Number: P13859

Luminaire Tested: **FE0650LPC**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P13859
Test Lab: INNOVATION CENTER P-1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: ALL-PRO
Catalog Number: FE0650LPC
Description: CONSUMER PRODUCTS 10W LED BRONZE JELLY JAR WALL SCONCE WITH A ONE PERCENT DIFFUSE LONG LENS.
Light Source: [20] SAMSUNG 4700K LED10W SPMWHT5225D5WAPOOSO
Ballast/Driver: AUROLITE ELECTRONIC DRIVER AD100300-02

Summary

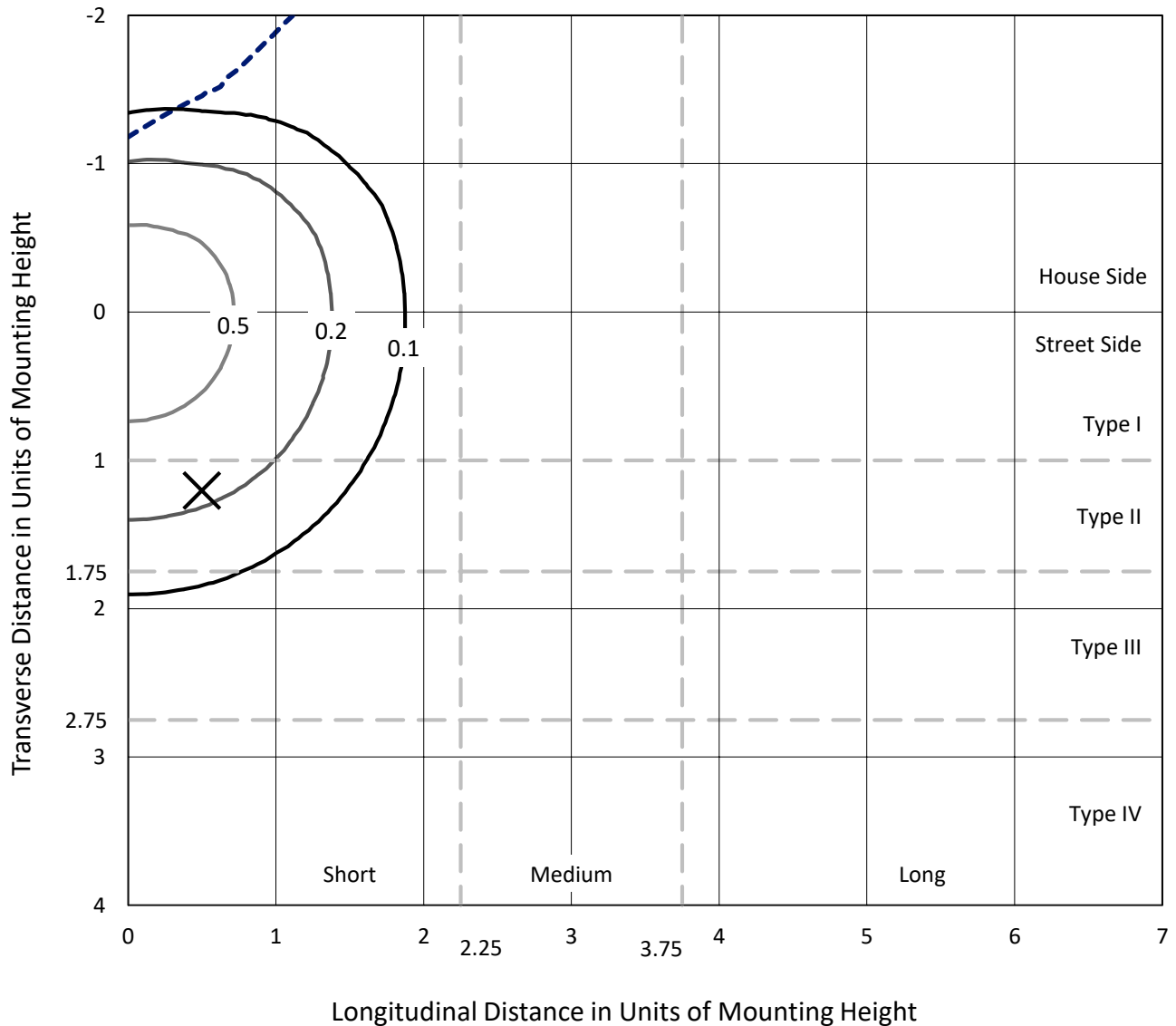
Lumens per Lamp: N/A
Luminaire Lumens: 672.1 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.25' x H: 0.33')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U3 - G1

Input Watts (W): 11
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: 3 HR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

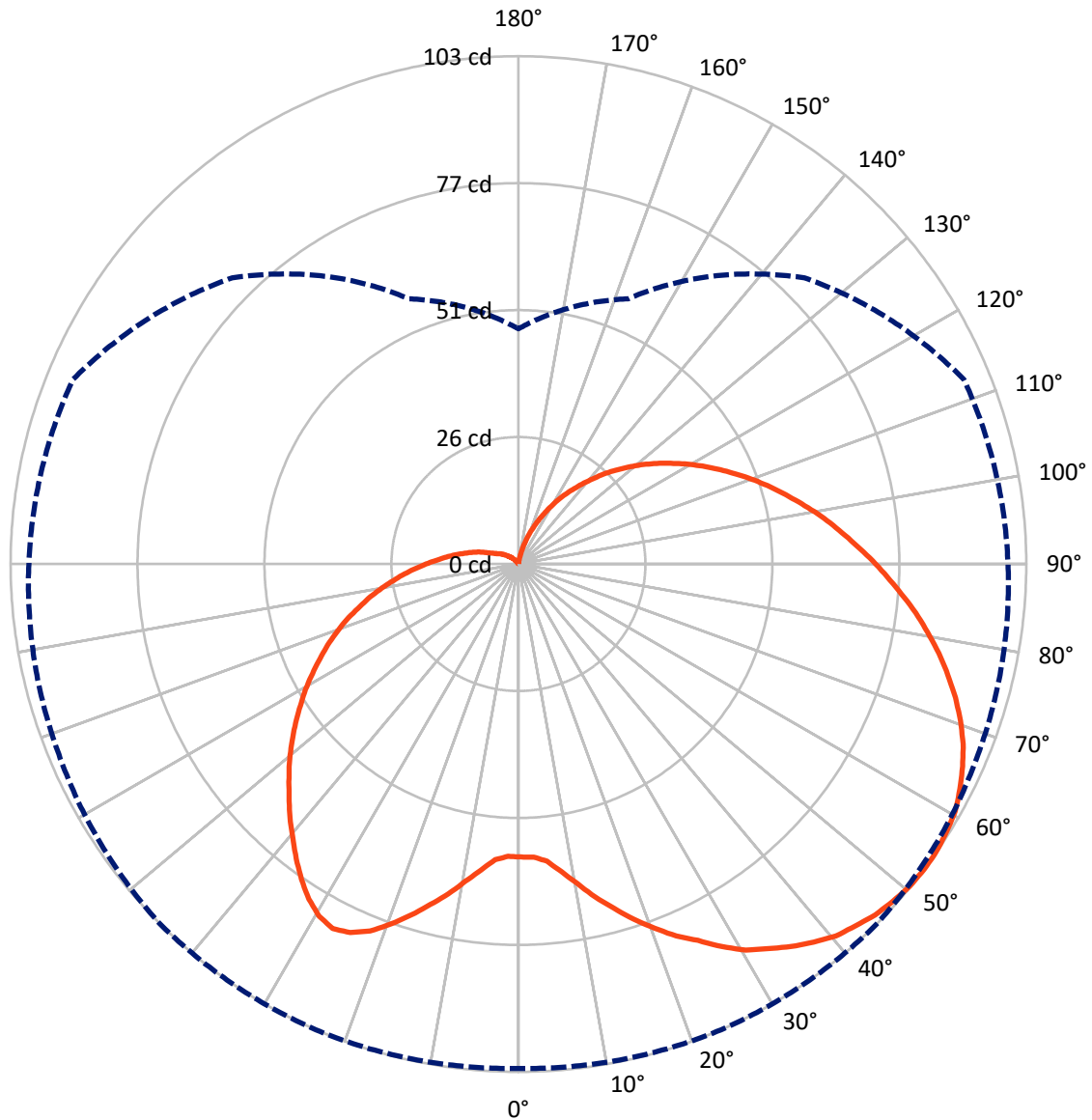
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 22.5-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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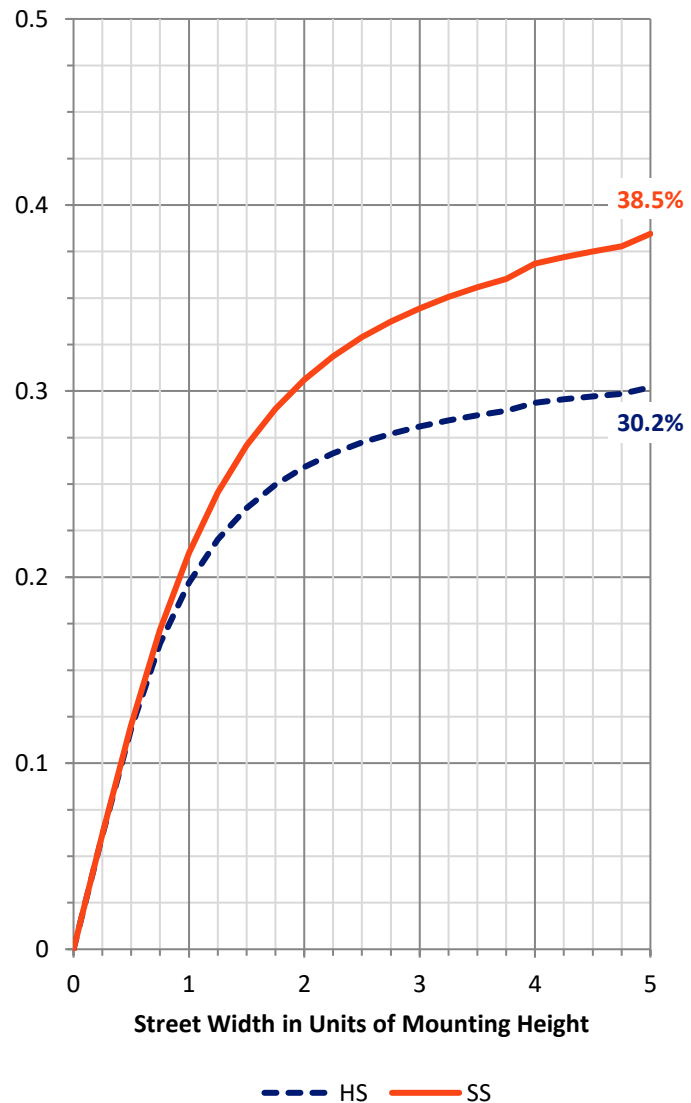
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	214.6	57.4	272.1
	% Fixture	31.9	8.5	40.5
Street Side	Lumens	282.8	117.3	400.1
	% Fixture	42.1	17.4	59.5
Total	Lumens	497.4	174.7	672.1
	% Fixture	74.0	26.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.9	0.9
10°-20°	20.5	3.1
20°-30°	38.7	5.8
30°-40°	56.3	8.4
40°-50°	70.4	10.5
50°-60°	79.5	11.8
60°-70°	81.9	12.2
70°-80°	77.2	11.5
80°-90°	67.1	10.0
90°-100°	54.7	8.1
100°-110°	42.5	6.3
110°-120°	31.4	4.7
120°-130°	21.8	3.3
130°-140°	13.6	2.0
140°-150°	7.2	1.1
150°-160°	2.8	0.4
160°-170°	0.6	0.1
170°-180°	0.0	0.0
0°-90°	497.4	74.0
0°-180°	672.1	100.0



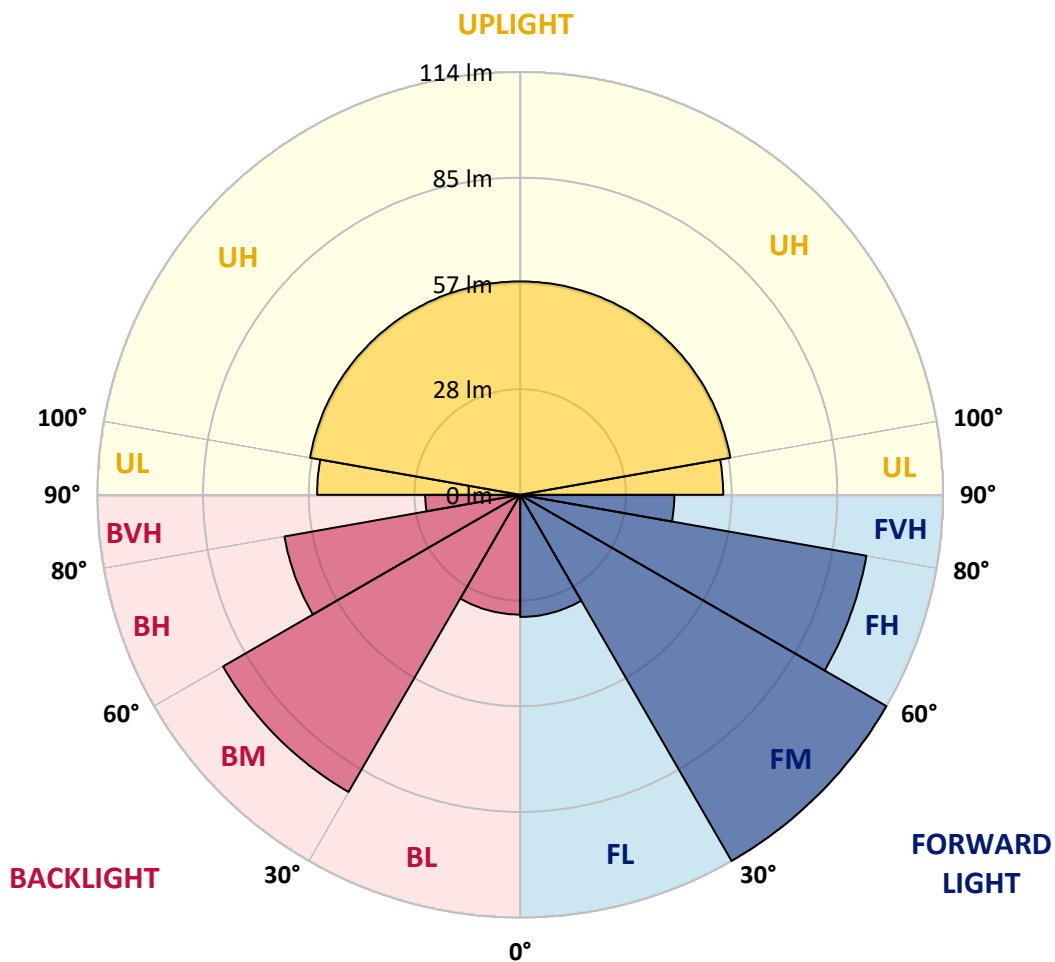
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	32.9	4.9			
FM	(30°-60°)	113.8	16.9			
FH	(60°-80°)	94.6	14.1			G0/660
FVH	(80°-90°)	41.5	6.2			G1/100
BL	(0°-30°)	32.2	4.8	B0/110		
BM	(30°-60°)	92.4	13.7	B0/220		
BH	(60°-80°)	64.4	9.6	B0/110		G0/110
BVH	(80°-90°)	25.6	3.8			G1/100
UL	(90°-100°)	54.7	8.1		U3/500	
UH	(100°-180°)	57.4	8.5		U3/500	

BUG Rating: B0-U3-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
2.5°	59.5	59.4	59.4	59.4	59.3	59.1	59.4	59.2	59.3
5°	60.3	60.4	60.4	60.4	60.3	60.2	60.2	60.0	60.1
7.5°	62.8	62.9	62.7	62.7	62.6	62.5	62.2	62.4	62.2
10°	65.7	65.8	65.7	65.7	65.5	65.3	65.0	65.1	65.0
12.5°	69.1	69.2	69.0	68.9	68.9	68.4	68.4	68.3	68.2
15°	72.2	72.3	72.1	71.9	71.7	71.5	71.3	71.2	71.2
17.5°	75.6	75.6	75.5	75.4	74.9	74.6	74.5	74.3	74.2
20°	78.8	78.7	78.5	78.2	77.9	77.5	77.5	77.3	77.1
22.5°	81.9	81.8	81.8	81.3	81.1	80.7	80.5	80.1	80.0
25°	84.4	84.4	84.2	83.8	83.4	83.0	82.7	82.0	81.0
27.5°	87.7	87.7	87.5	86.9	86.4	85.9	85.5	82.8	80.3
30°	90.4	90.7	90.1	89.5	88.8	88.2	87.7	81.9	78.5
32.5°	92.7	92.8	92.4	91.7	91.0	90.2	88.8	80.0	75.7
35°	94.9	95.1	94.7	93.7	93.0	92.1	88.7	77.5	73.1
37.5°	96.8	97.1	96.8	95.6	94.8	93.7	88.1	74.7	69.4
40°	98.3	99.0	98.4	97.2	96.1	95.1	87.2	71.8	65.7
42.5°	99.6	100.1	100.0	98.4	97.4	96.1	86.4	69.1	61.9
45°	100.7	101.3	101.1	99.5	98.3	96.9	85.4	66.2	58.1
47.5°	101.6	102.0	102.0	100.1	98.8	97.7	84.5	63.5	54.4
50°	101.9	102.6	102.5	100.6	99.1	97.7	83.3	60.9	50.9
52.5°	102.1	102.8	102.8	100.7	99.1	97.6	81.9	58.1	47.6
55°	101.7	102.7	102.4	100.4	98.7	97.2	80.5	55.4	44.5
57.5°	101.3	102.2	101.9	99.8	97.9	96.3	78.8	52.6	41.3
60°	100.5	101.6	101.2	98.9	97.0	95.4	77.0	50.0	38.2
62.5°	99.2	100.3	99.8	97.7	95.6	94.0	74.9	47.2	35.2
65°	97.7	98.8	98.2	95.8	93.7	92.2	72.7	44.5	32.2
67.5°	96.0	97.1	96.4	94.0	91.9	90.3	70.5	41.9	29.6
70°	94.2	94.9	94.3	91.9	89.6	88.1	68.1	39.2	26.8
72.5°	91.6	92.5	91.7	89.3	87.2	85.6	65.4	36.6	24.1
75°	89.2	89.8	89.2	86.6	84.4	83.1	62.6	33.7	21.3
77.5°	86.3	87.0	86.2	83.7	81.6	80.2	59.7	31.2	19.0
80°	83.4	84.0	83.3	80.9	78.6	77.2	57.0	28.6	16.4
82.5°	80.3	81.0	80.1	77.7	75.6	74.1	53.9	26.0	14.1
85°	77.3	77.8	77.0	74.6	72.5	70.9	50.8	23.6	12.0
87.5°	74.1	74.7	73.8	71.6	69.4	67.5	47.7	21.3	10.3
90°	71.1	71.7	70.7	68.5	66.2	63.9	44.4	19.1	8.6
92.5°	68.3	68.7	67.8	65.5	63.0	60.2	41.5	17.1	7.2
95°	65.5	65.8	65.0	62.7	60.0	56.8	38.6	15.3	6.0
97.5°	62.7	63.1	62.2	59.9	57.1	53.6	35.9	13.7	5.0
100°	60.0	60.3	59.4	57.2	54.2	50.4	33.5	12.1	3.6
102.5°	57.2	57.5	56.8	54.5	51.6	47.6	31.2	10.7	1.5
105°	54.6	54.9	54.0	51.9	48.9	44.7	29.0	9.5	0.4
107.5°	52.0	52.3	51.5	49.3	46.4	42.1	26.9	8.3	0.3
110°	49.4	49.7	48.8	46.7	43.8	39.4	24.9	6.9	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	46.9	47.1	46.3	44.2	41.2	36.9	23.0	5.9	0.0
115°	44.6	44.6	44.0	41.8	38.9	34.6	21.4	5.1	0.0
117.5°	42.0	42.2	41.4	39.6	36.6	32.2	19.8	4.6	0.0
120°	39.6	39.8	39.0	37.2	34.4	29.9	18.3	4.2	0.0
122.5°	37.3	37.4	36.7	34.9	32.2	27.7	16.8	3.7	0.0
125°	35.1	35.1	34.5	32.8	30.0	25.7	15.5	3.2	0.0
127.5°	32.8	32.8	32.1	30.5	27.9	23.8	14.1	2.7	0.0
130°	30.4	30.5	29.9	28.3	25.7	21.7	12.8	2.3	0.0
132.5°	28.2	28.2	27.7	26.3	23.7	19.7	11.5	2.0	0.0
135°	26.0	26.0	25.4	24.1	21.7	17.8	10.2	1.7	0.0
137.5°	23.8	23.7	23.3	22.0	19.7	16.0	9.0	1.2	0.0
140°	21.6	21.5	21.1	19.9	17.8	14.3	7.9	0.9	0.0
142.5°	19.7	19.4	19.0	17.9	15.9	12.6	6.8	0.7	0.0
145°	17.5	17.4	17.1	16.1	14.2	11.0	5.7	0.5	0.0
147.5°	15.5	15.5	15.1	14.2	12.5	9.5	4.8	0.3	0.0
150°	13.5	13.4	13.1	12.3	10.7	7.9	3.9	0.1	0.0
152.5°	11.5	11.4	11.3	10.5	9.1	6.6	3.1	0.0	0.0
155°	9.6	9.6	9.4	8.7	7.5	5.2	2.2	0.0	0.0
157.5°	7.9	7.8	7.7	7.2	6.0	4.0	1.5	0.0	0.0
160°	6.2	6.2	6.0	5.6	4.6	3.0	0.9	0.0	0.0
162.5°	4.5	4.6	4.5	4.1	3.3	2.0	0.5	0.0	0.0
165°	3.1	3.2	3.0	2.8	2.1	1.1	0.2	0.0	0.0
167.5°	1.9	1.9	1.9	1.7	1.3	0.6	0.0	0.0	0.0
170°	0.9	0.9	0.9	0.8	0.5	0.1	0.0	0.0	0.0
172.5°	0.3	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)