

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: P13858

Luminaire Tested: **FE0650LPCW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P13858
Test Lab: INNOVATION CENTER P-1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: ALL-PRO
Catalog Number: FE0650LPCW
Description: CONSUMER PRODUCTS 10W LED WHITE JELLY JAR WALL SCONCE WITH A ONE PERCENT DIFFUSE LONG LENS.
Light Source: [20] SAMSUNG 4700K LED10W SPMWHT5225D5WAPOOSO
Ballast/Driver: (1) AUROLITE ELECTRONIC DRIVER AD100300-02

Summary

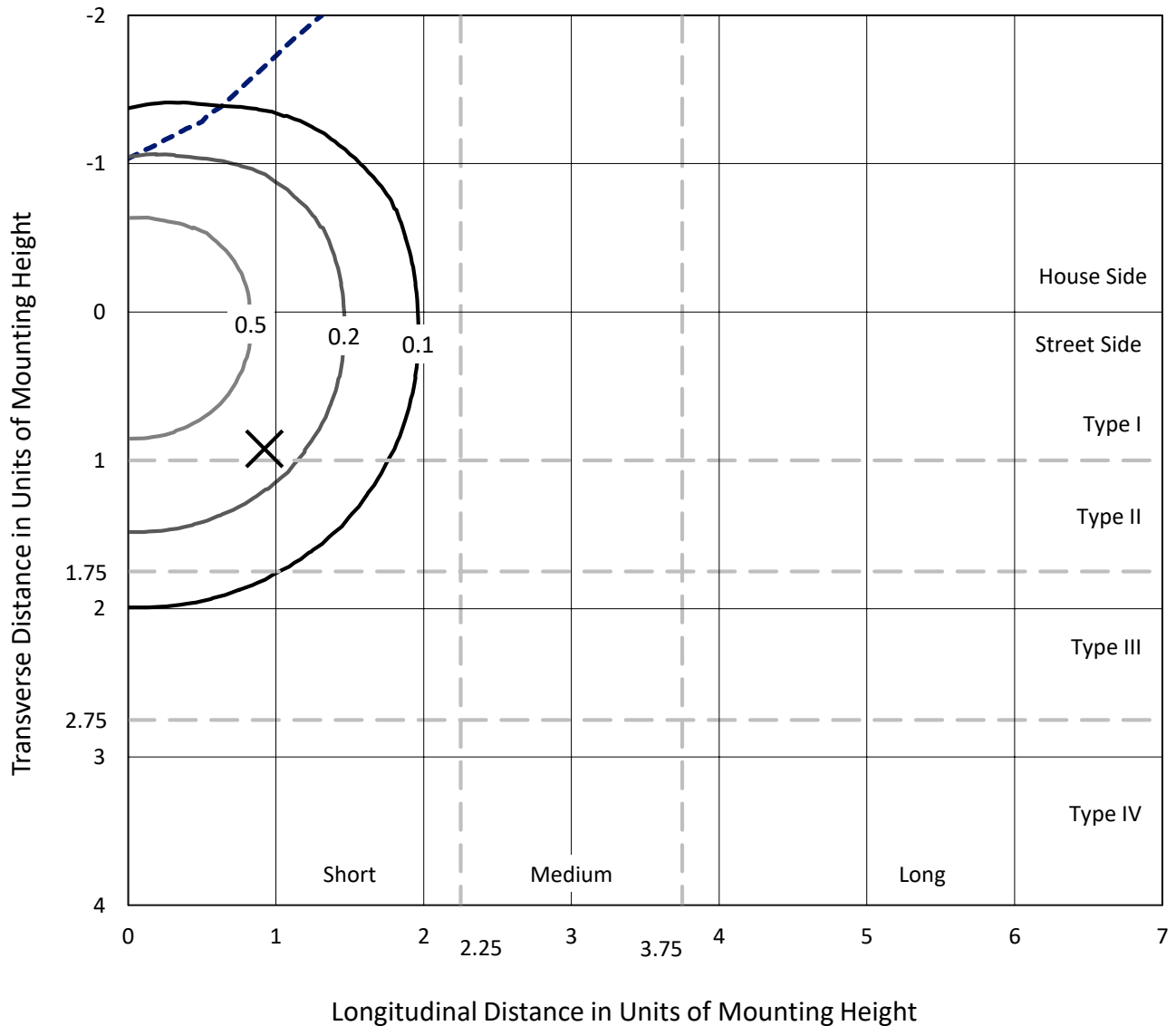
Lumens per Lamp: N/A
Luminaire Lumens: 766.3 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.25' x H: 0.33')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B0 - U3 - G1

Input Watts (W): 11.3
Input Voltage (V): NR
Input Current (Ain):

REPORT NUMBER: P13858
 CATALOG NUMBER: FE0650LPCW

Iso-Footcandle Lines of Horizontal Illumination

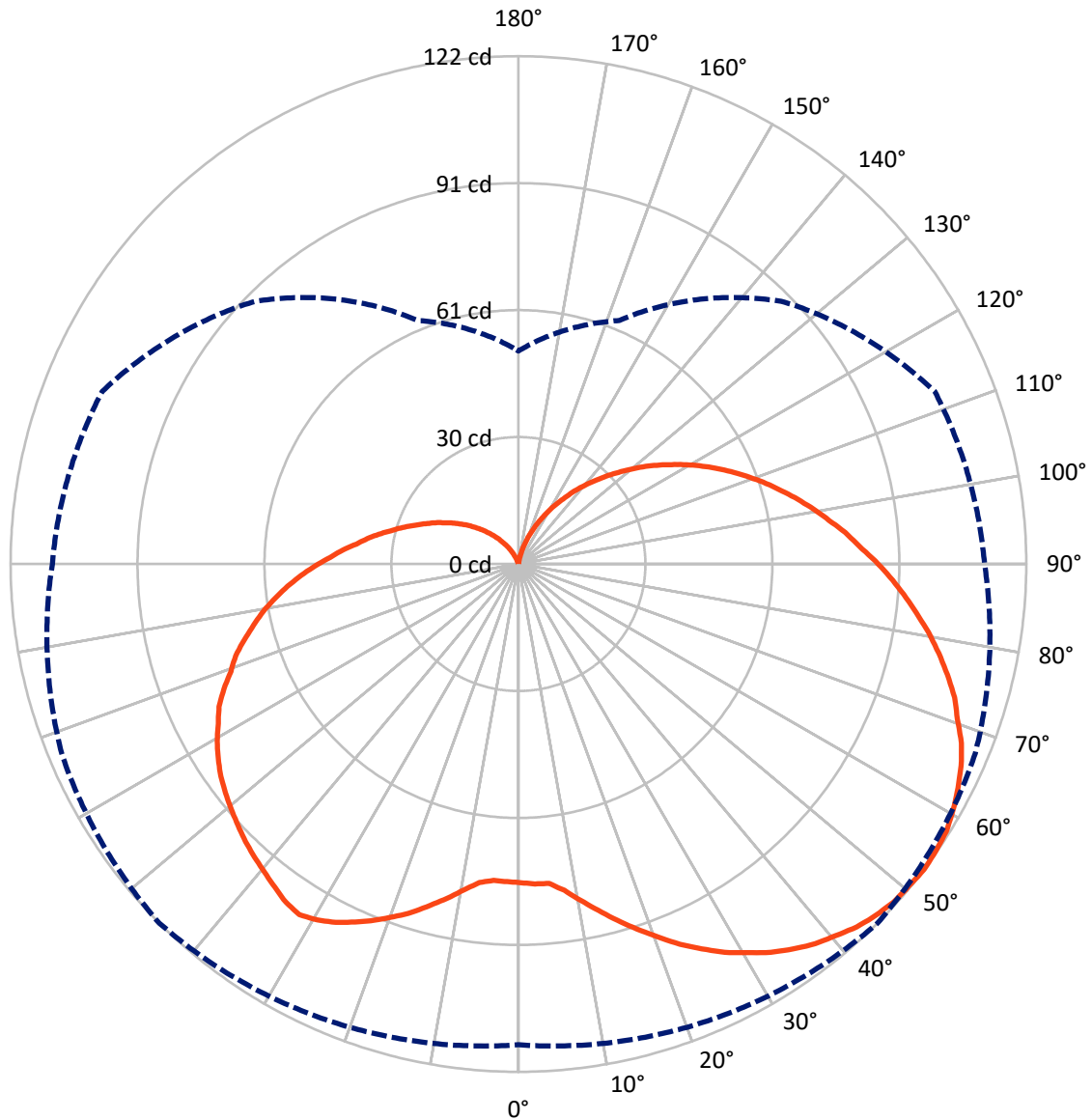
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P13858
CATALOG NUMBER: FE0650LPCW

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P13858
 CATALOG NUMBER: FE0650LPCW

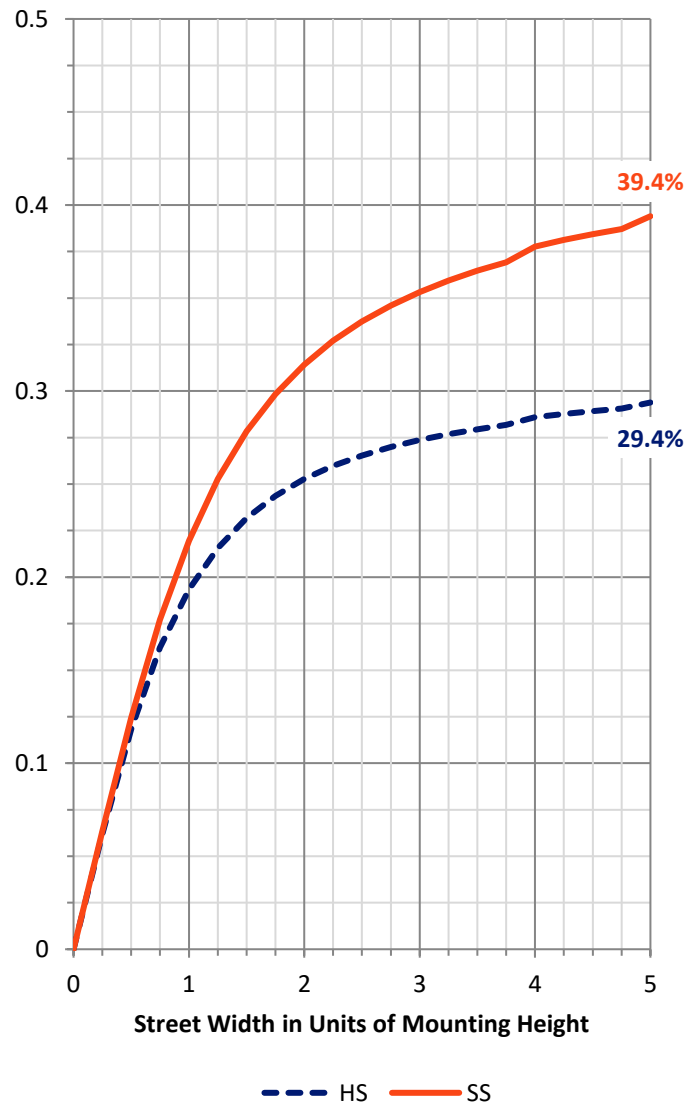
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	238.0	63.0	301.0
	% Fixture	31.1	8.2	39.3
Street Side	Lumens	330.3	135.0	465.3
	% Fixture	43.1	17.6	60.7
Total	Lumens	568.3	198.0	766.3
	% Fixture	74.2	25.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	1.0
10°-20°	24.7	3.2
20°-30°	45.2	5.9
30°-40°	64.7	8.4
40°-50°	80.0	10.4
50°-60°	90.0	11.7
60°-70°	92.7	12.1
70°-80°	87.5	11.4
80°-90°	76.3	10.0
90°-100°	62.3	8.1
100°-110°	48.6	6.3
110°-120°	35.8	4.7
120°-130°	24.6	3.2
130°-140°	15.1	2.0
140°-150°	7.9	1.0
150°-160°	3.1	0.4
160°-170°	0.6	0.1
170°-180°	0.0	0.0
0°-90°	568.3	74.2
0°-180°	766.3	100.0



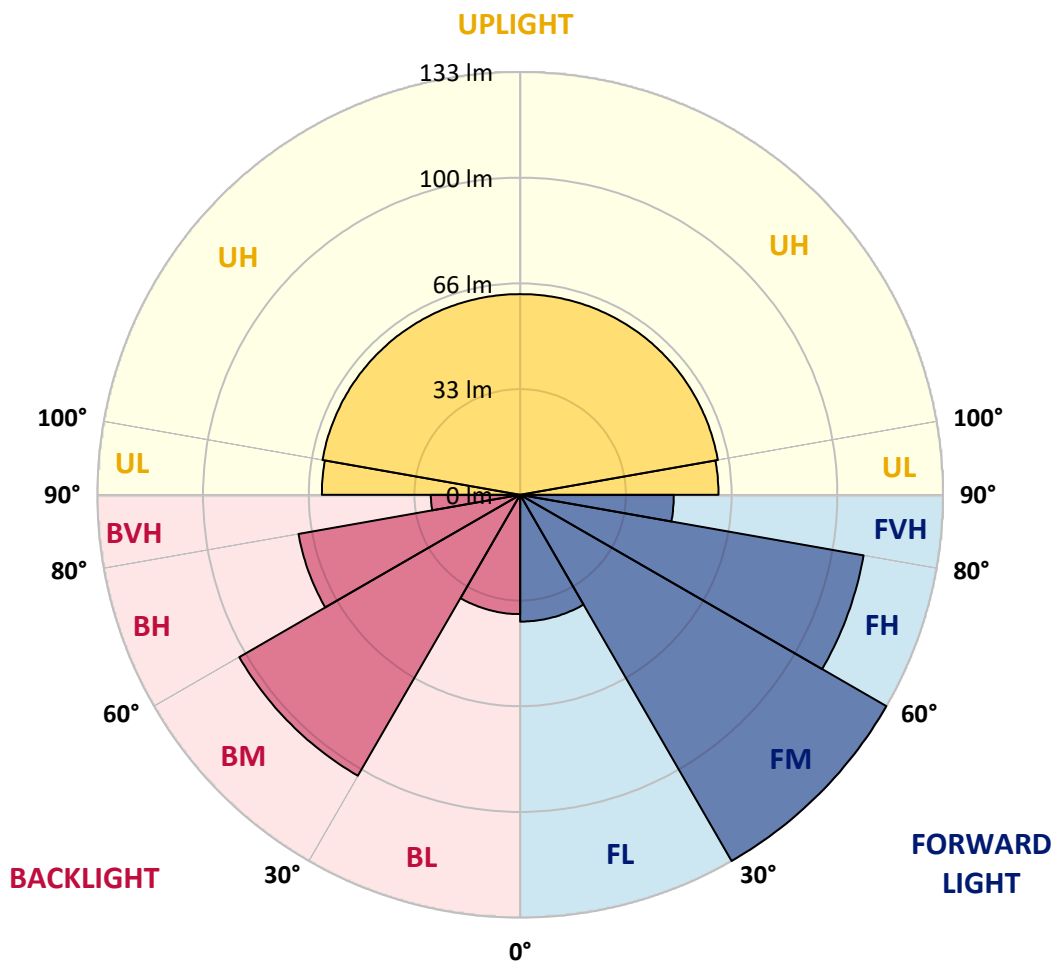
REPORT NUMBER: P13858
 CATALOG NUMBER: FE0650LPCW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	39.8	5.2			
FM	(30°-60°)	132.7	17.3			
FH	(60°-80°)	109.5	14.3			G0/660
FVH	(80°-90°)	48.2	6.3			G1/100
BL	(0°-30°)	37.5	4.9	B0/110		
BM	(30°-60°)	101.8	13.3	B0/220		
BH	(60°-80°)	70.7	9.2	B0/110		G0/110
BVH	(80°-90°)	28.0	3.7			G1/100
UL	(90°-100°)	62.3	8.1		U3/500	
UH	(100°-180°)	63.0	8.2		U3/500	

BUG Rating: B0-U3-G1

Type IV Short





REPORT NUMBER: P13858
 CATALOG NUMBER: FE0650LPCW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
2.5°	76.7	76.8	76.7	76.5	76.5	76.3	76.1	76.0	76.1
5°	76.9	77.0	76.8	76.6	76.5	76.2	76.0	75.8	75.8
7.5°	79.1	79.2	78.9	78.4	77.8	77.3	76.8	76.5	76.4
10°	82.4	82.3	81.9	81.3	80.5	79.8	79.1	78.9	78.6
12.5°	85.7	85.7	85.1	84.3	83.4	82.5	81.8	81.3	81.1
15°	89.1	88.9	88.5	87.6	86.3	85.2	84.4	83.8	83.5
17.5°	92.6	92.5	91.9	91.0	89.5	88.0	87.2	86.4	85.9
20°	95.9	95.8	95.3	94.0	92.3	90.7	89.6	88.6	88.0
22.5°	99.1	99.1	98.9	97.3	95.2	93.6	92.0	90.6	89.9
25°	102.1	102.1	102.1	100.3	97.8	95.9	94.2	92.3	90.7
27.5°	104.9	105.1	105.3	103.3	100.6	98.3	96.3	92.3	88.9
30°	107.3	107.7	108.0	106.0	102.7	100.3	97.9	90.4	86.0
32.5°	109.2	110.2	110.9	108.6	105.0	102.3	99.0	87.8	82.8
35°	110.9	112.4	113.2	110.8	106.8	104.0	98.3	84.7	79.0
37.5°	112.4	114.1	115.4	112.9	108.5	105.4	96.9	81.3	75.0
40°	113.5	115.4	117.0	114.5	109.6	106.2	95.6	77.8	70.4
42.5°	114.3	116.8	118.8	116.0	110.8	107.4	94.4	74.8	66.4
45°	114.9	117.7	120.0	117.3	111.6	108.0	93.2	71.7	62.2
47.5°	115.2	118.3	120.9	117.9	111.7	108.2	91.8	68.6	58.1
50°	115.0	118.4	121.2	118.1	111.8	108.1	90.4	65.7	54.2
52.5°	115.1	118.4	121.6	118.4	111.6	107.9	89.0	63.1	51.0
55°	114.5	118.1	121.3	118.1	110.9	107.4	87.5	60.2	47.6
57.5°	113.8	117.4	120.8	117.2	109.8	106.2	85.7	57.3	44.1
60°	112.5	116.5	119.6	116.1	108.4	105.1	83.7	54.4	41.0
62.5°	111.1	115.1	118.1	114.5	106.6	103.4	81.4	51.5	37.9
65°	109.7	113.5	116.5	112.8	104.8	101.6	79.4	48.8	35.2
67.5°	107.5	111.6	114.4	110.6	102.2	99.4	76.6	45.8	32.2
70°	104.7	109.0	111.5	107.7	99.1	96.6	73.5	42.7	28.8
72.5°	102.4	106.5	109.2	105.2	96.4	94.2	71.2	40.0	26.4
75°	99.4	103.5	106.1	102.1	93.1	91.2	68.1	37.1	23.6
77.5°	96.4	100.5	102.9	98.9	89.8	88.1	65.1	34.3	20.9
80°	93.2	97.1	99.6	95.3	86.3	84.8	62.1	31.4	18.4
82.5°	89.8	93.7	96.0	91.8	82.7	81.4	58.8	28.7	15.9
85°	86.4	90.2	92.5	88.2	79.1	77.7	55.5	26.0	13.5
87.5°	83.0	86.7	89.0	84.7	75.5	74.1	52.1	23.5	11.5
90°	79.6	83.3	85.4	81.2	71.9	70.2	48.6	21.0	9.8
92.5°	76.3	79.7	81.7	77.4	68.3	66.0	45.1	18.8	8.2
95°	73.0	76.7	78.6	74.3	65.3	62.5	42.2	16.9	7.0
97.5°	69.8	73.2	75.1	70.9	62.0	58.7	39.1	14.9	5.4
100°	66.8	70.3	71.9	67.7	59.1	55.6	36.7	13.4	4.5
102.5°	63.8	67.1	68.7	64.4	56.1	52.4	34.2	11.9	2.4
105°	60.7	63.9	65.5	61.1	53.2	49.3	31.6	10.4	0.8
107.5°	57.8	60.9	62.4	58.0	50.5	46.4	29.5	9.2	0.6
110°	54.8	57.8	59.2	54.9	47.8	43.5	27.3	7.9	0.1



REPORT NUMBER: P13858
 CATALOG NUMBER: FE0650LPCW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	51.8	54.6	56.1	52.1	45.0	40.7	25.3	6.6	0.0
115°	48.9	51.8	53.0	49.2	42.4	38.0	23.5	5.7	0.1
117.5°	46.2	48.7	49.9	46.3	39.9	35.5	21.8	5.1	0.0
120°	43.3	45.7	46.8	43.2	37.4	33.0	20.0	4.5	0.0
122.5°	40.5	42.8	43.7	40.5	35.0	30.6	18.5	4.0	0.0
125°	37.8	39.9	40.7	37.5	32.6	28.3	16.9	3.5	0.0
127.5°	35.2	37.0	37.8	34.9	30.3	26.0	15.5	3.1	0.0
130°	32.6	34.4	34.8	32.2	28.1	23.9	14.0	2.7	0.0
132.5°	29.9	31.4	31.9	29.5	25.7	21.6	12.6	2.0	0.0
135°	27.7	29.0	29.2	27.1	23.7	19.7	11.3	1.9	0.0
137.5°	25.2	26.2	26.5	24.6	21.5	17.6	9.9	1.5	0.0
140°	22.9	23.9	24.0	22.3	19.4	15.8	8.7	1.3	0.0
142.5°	20.6	21.5	21.5	20.1	17.4	13.8	7.5	0.9	0.0
145°	18.3	19.0	18.9	17.7	15.3	11.9	6.2	0.5	0.0
147.5°	16.1	16.7	16.7	15.5	13.5	10.3	5.2	0.3	0.0
150°	14.1	14.5	14.4	13.5	11.6	8.7	4.2	0.3	0.0
152.5°	12.0	12.4	12.3	11.5	9.8	7.1	3.3	0.1	0.0
155°	9.8	10.2	10.2	9.5	8.0	5.6	2.4	0.0	0.0
157.5°	7.9	8.2	8.2	7.6	6.4	4.3	1.7	0.0	0.0
160°	6.2	6.4	6.4	5.9	4.9	3.2	1.0	0.0	0.0
162.5°	4.5	4.7	4.7	4.3	3.4	2.1	0.5	0.0	0.0
165°	3.0	3.1	3.2	2.9	2.3	1.2	0.1	0.0	0.0
167.5°	1.8	1.9	1.9	1.7	1.3	0.6	0.0	0.0	0.0
170°	0.8	0.8	0.8	0.7	0.5	0.1	0.0	0.0	0.0
172.5°	0.2	0.3	0.3	0.1	0.1	0.1	0.0	0.0	0.0
175°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.1	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)