

Scaled data based on original data using
LM-66-11 Electrical and Photometric Measurements of Single-Ended Compact
Fluorescent Lamps

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: P127712

Luminaire Tested: **1211-3 BLACK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-66-11
Report Number: P127712
Test Lab: ELK GROVE VILLAGE
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1211-3 BLACK
Description: LUMIERE RECESSED WALL MOUNT
SPECULAR REFLECTOR
7-1/2 X 1-5/8" LOUVERED OPENING WITH TEMPERED GLASS LENS
Light Source: TWIN TUBE COMPACT FLUORESCENT
F9TT 9 WATTS
Ballast/Driver: SP68RC/C

Summary

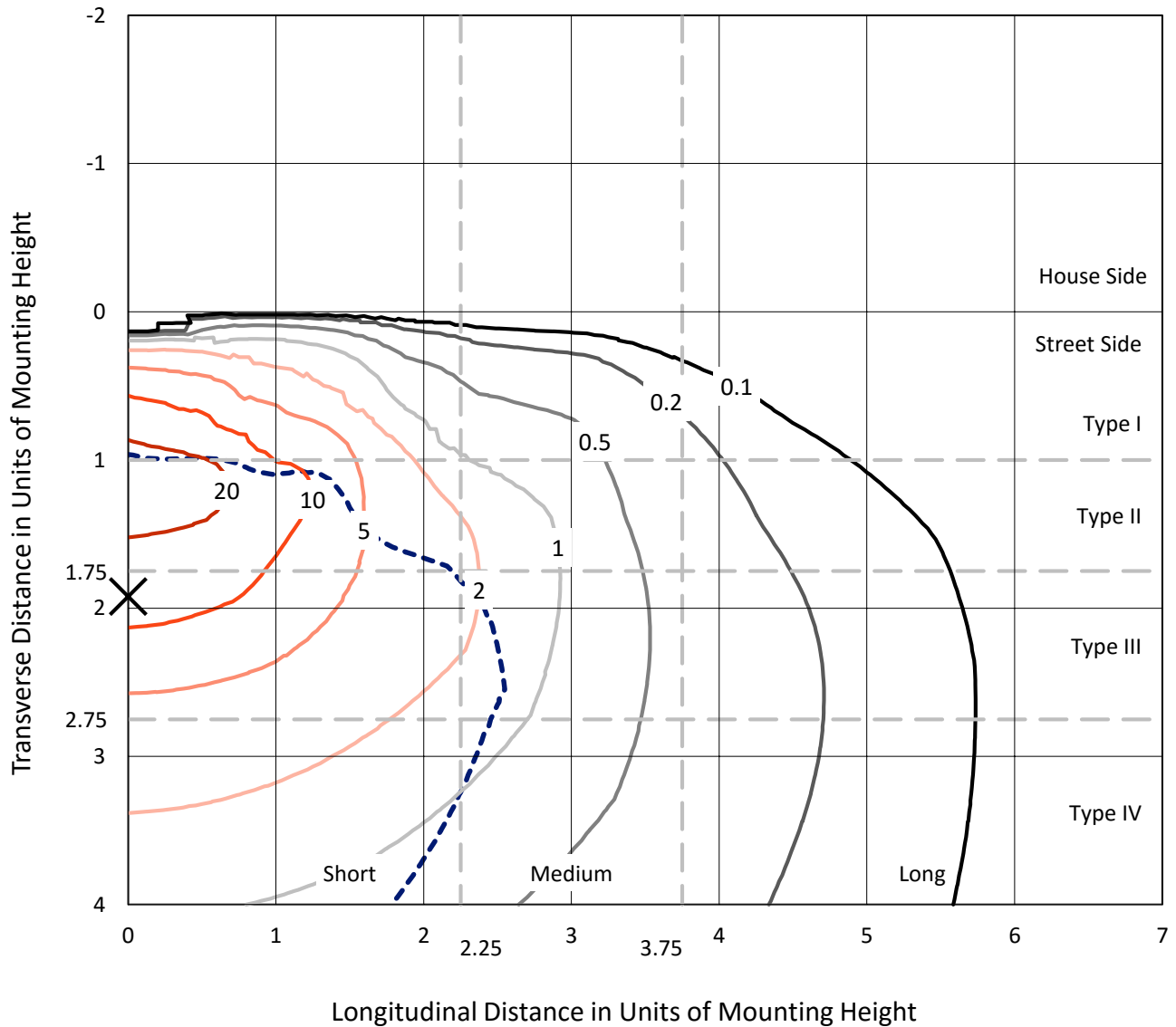
Lumens per Lamp: 580 (1 lamp)
Luminaire Lumens: 30.7 lumens
Efficiency: 5.3%
Efficacy: 2.9 lumens/watt
Luminous Opening: Rectangular (W 0.63' x L: 0.14' x H: 0')
IES Classification: Type IV - Short - Cutoff
BUG Rating: B0 - U1 - G0

Input Watts (W): 10.6
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: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

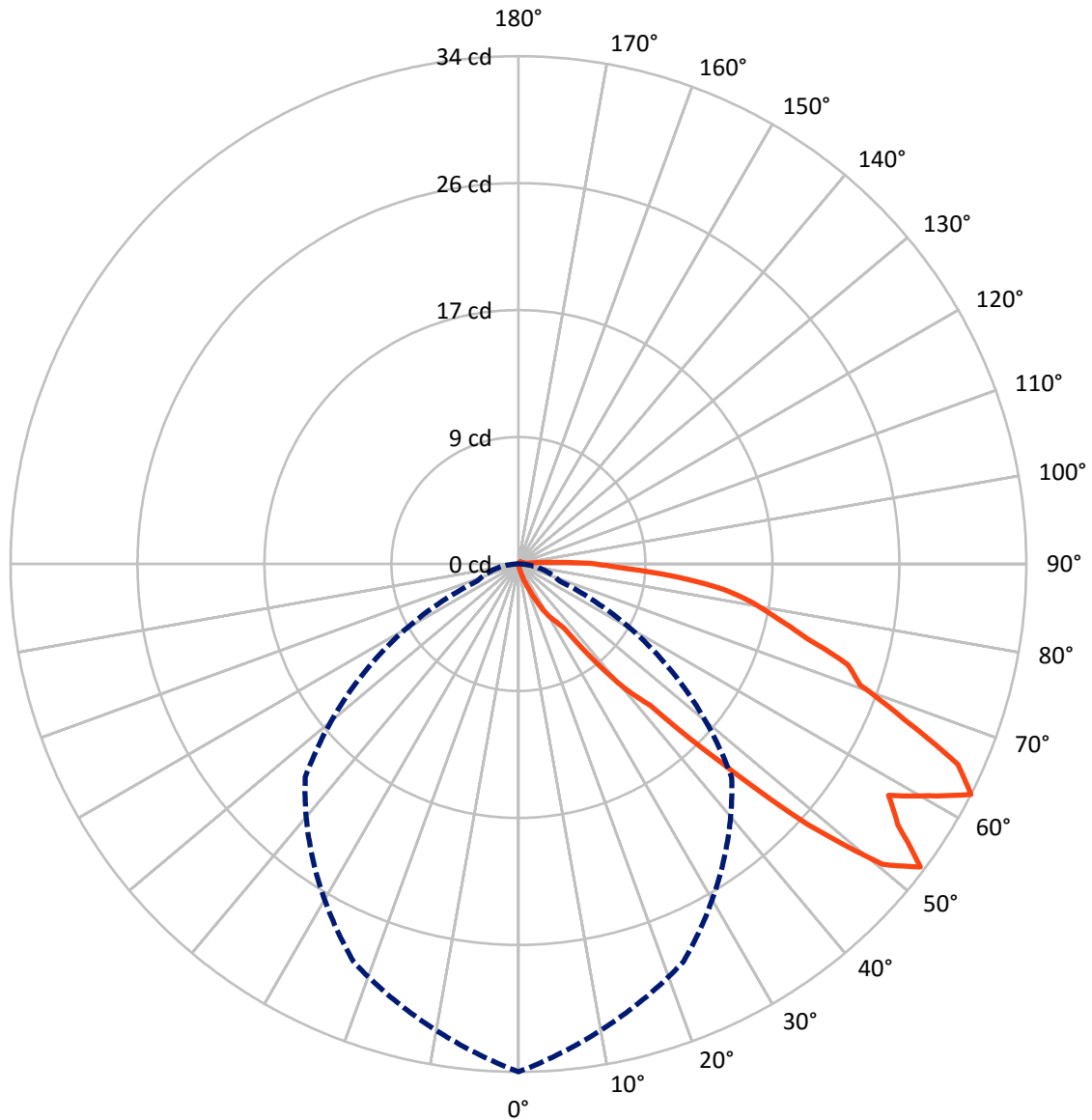
✕ Max cd
 - - - 1/2 Max cd



Based on 0.5 foot mounting height. Maximum calculated value = 33 fc
 Type IV - Short - Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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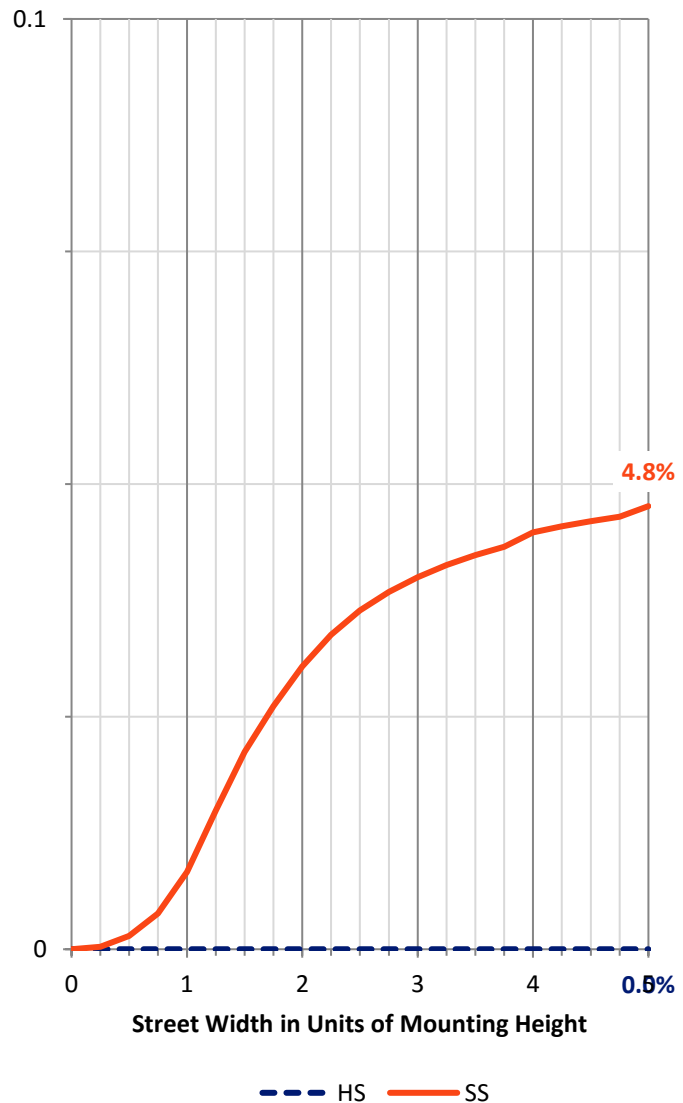
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	0.0	0.0	0.0
	% Lamp	0.0	0.0	0.0
Street Side	Lumens	30.0	0.7	30.7
	% Lamp	5.2	0.1	5.3
Total	Lumens	30.0	0.7	30.7
	% Lamp	5.2	0.1	5.3

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	0.0	0.0	0.0
10°-20°	0.0	0.1	0.0
20°-30°	0.3	0.9	0.1
30°-40°	0.9	3.0	0.2
40°-50°	3.1	9.9	0.5
50°-60°	6.8	22.2	1.2
60°-70°	8.3	27.1	1.4
70°-80°	6.9	22.5	1.2
80°-90°	3.6	11.7	0.6
90°-100°	0.5	1.5	0.1
100°-110°	0.1	0.4	0.0
110°-120°	0.1	0.2	0.0
120°-130°	0.0	0.1	0.0
130°-140°	0.0	0.1	0.0
140°-150°	0.0	0.1	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	30.0	97.6	5.2
0°-180°	30.7	100.0	5.3

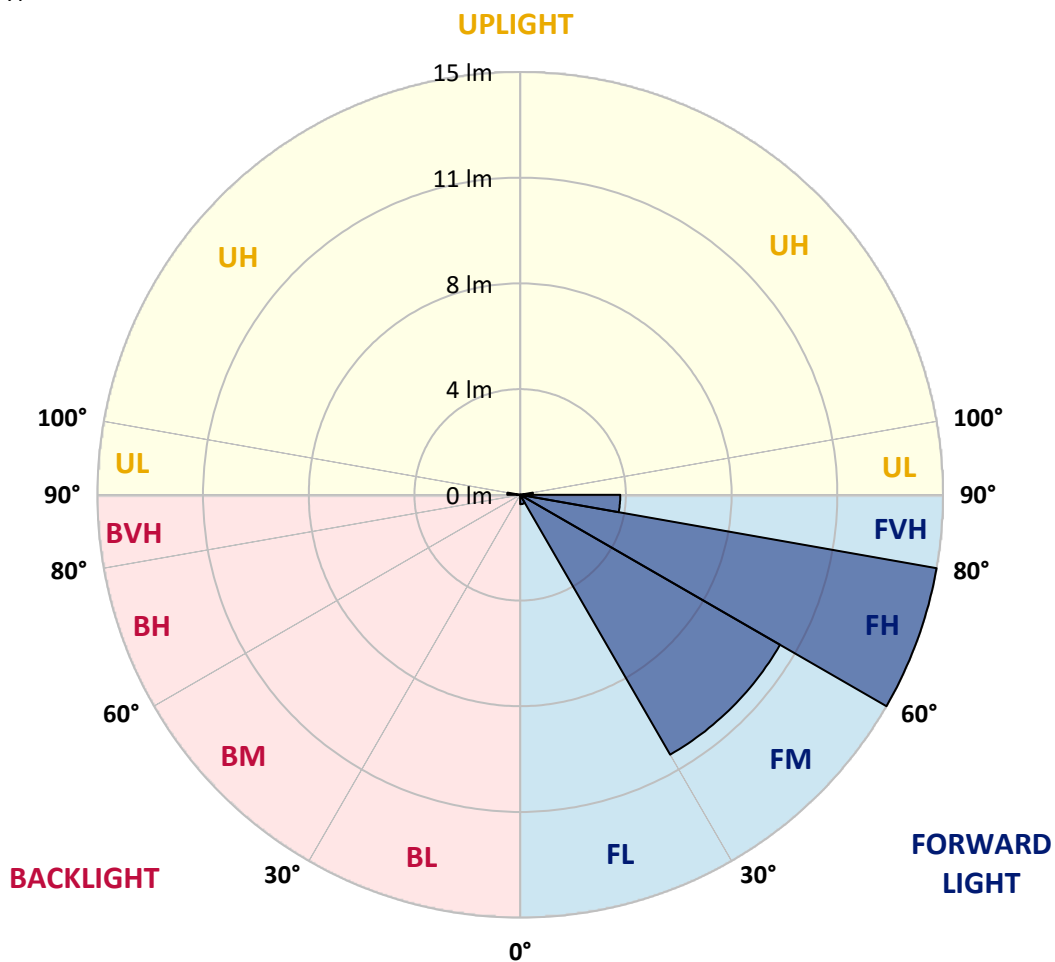


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	0.3	0.1			
FM (30°-60°)	10.8	1.9			
FH (60°-80°)	15.2	2.6			G0/660
FVH (80°-90°)	3.6	0.6			G0/10
BL (0°-30°)	0.0	0.0	B0/110		
BM (30°-60°)	0.0	0.0	B0/220		
BH (60°-80°)	0.0	0.0	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.5	0.1		U1/10	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	549.3	94.7			

BUG Rating: B0-U1-G0
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0
15°	0.6	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
17.5°	0.9	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0
20°	1.4	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	1.9	1.6	0.8	0.1	0.0	0.0	0.0	0.0	0.0
25°	2.6	2.1	1.1	0.2	0.0	0.0	0.0	0.0	0.0
27.5°	3.4	2.8	1.4	0.3	0.0	0.0	0.0	0.0	0.0
30°	4.1	3.5	1.9	0.4	0.1	0.0	0.0	0.0	0.0
32.5°	4.6	4.2	2.3	0.5	0.0	0.0	0.0	0.0	0.0
35°	5.3	4.6	2.9	0.6	0.0	0.0	0.0	0.0	0.0
37.5°	8.1	5.3	3.5	0.8	0.0	0.0	0.0	0.0	0.0
40°	11.0	8.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0
42.5°	13.0	10.6	4.3	1.2	0.0	0.0	0.0	0.0	0.0
45°	18.8	12.5	4.6	1.5	0.0	0.0	0.0	0.0	0.0
47.5°	26.2	18.0	6.4	1.8	0.0	0.0	0.0	0.0	0.0
50°	31.8	24.5	8.2	2.1	0.0	0.0	0.0	0.0	0.0
52.5°	33.9	30.0	9.2	2.5	0.0	0.0	0.0	0.0	0.0
55°	31.0	30.6	13.2	2.9	0.0	0.0	0.0	0.0	0.0
57.5°	29.4	27.2	18.0	3.1	0.0	0.0	0.0	0.0	0.0
60°	31.7	26.3	21.4	3.1	0.0	0.0	0.0	0.0	0.0
62.5°	34.2	29.0	20.3	3.0	0.0	0.0	0.0	0.0	0.0
65°	32.5	30.7	18.1	3.7	0.0	0.0	0.0	0.0	0.0
67.5°	28.1	28.0	19.2	3.8	0.0	0.0	0.0	0.0	0.0
70°	24.4	24.0	21.5	5.3	0.0	0.0	0.0	0.0	0.0
72.5°	23.2	21.2	19.6	7.5	0.0	0.0	0.0	0.0	0.0
75°	20.1	19.4	16.1	6.6	0.0	0.0	0.0	0.0	0.0
77.5°	17.9	16.6	13.8	6.0	0.0	0.0	0.0	0.0	0.0
80°	16.1	15.1	11.4	6.9	0.0	0.0	0.0	0.0	0.0
82.5°	13.9	12.9	10.0	4.8	0.0	0.0	0.0	0.0	0.0
85°	10.5	9.8	8.3	3.5	0.0	0.0	0.0	0.0	0.0
87.5°	6.7	6.3	5.6	2.8	0.0	0.0	0.0	0.0	0.0
90°	4.8	4.4	3.1	1.3	0.0	0.0	0.0	0.0	0.0
92.5°	2.2	1.9	1.3	0.5	0.0	0.0	0.0	0.0	0.0
95°	0.5	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0
97.5°	0.4	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0
100°	0.4	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0
102.5°	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0
105°	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0
107.5°	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0
110°	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0
115°	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
117.5°	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
120°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
122.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
125°	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0
127.5°	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0
130°	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.1	0.0	0.0	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	0.1	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)