

Scaled data based on original data using
LM-31-95 IESNA Approved Method for Photometric Testing of Roadway Luminaires
Using Incandescent Filament and High Intensity Discharge Lamps

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: LUMIERE

Report Number: H45003

Luminaire Tested: **1212-1 BLACK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-31-95
Report Number: H45003
Test Lab: ELK GROVE VILLAGE
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1212-1 BLACK
Description: LUMIERE RECESSED WALL MOUNT
SPECULAR REFLECTOR
7-1/5 X 1-5/8" OPENING WITH FROSTED TEMPERED GLASS LENS

Light Source: T6-1/2 DC BAYONET BASE OUTSIDE FROSTED
20T6-1/2/DC/F 20 WATTS
Ballast/Driver: -

Summary

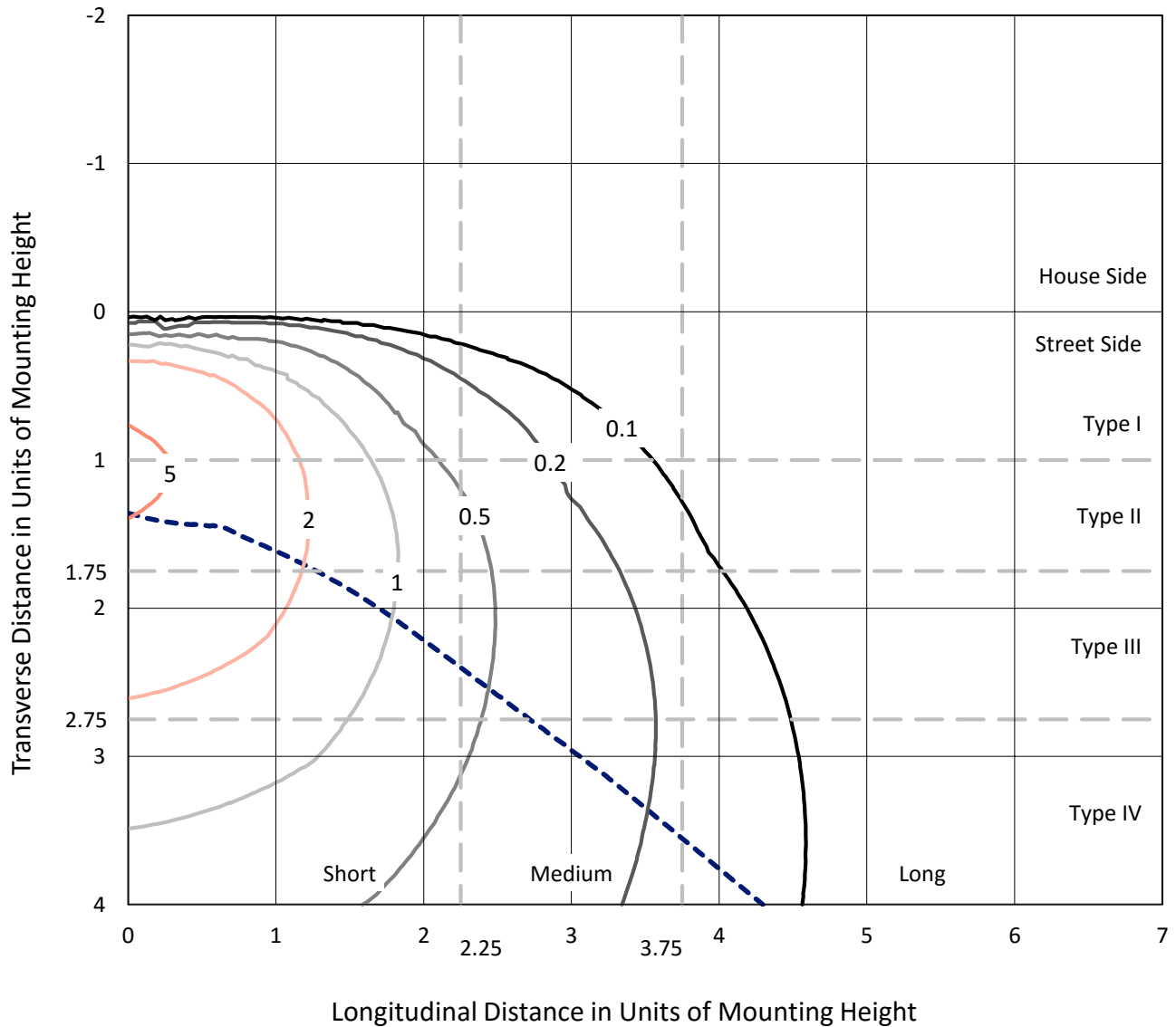
Lumens per Lamp: 90 (1 lamp)
Luminaire Lumens: 26.3 lumens
Efficiency: 29.2%
Efficacy: 1.3 lumens/watt
Luminous Opening: Rectangular (W 0.63' x L: 0.14' x H: 0')
IES Classification: Type - Short - Non-Cutoff
BUG Rating: B0 - U2 - G0

Input Watts (W): 20
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

REPORT NUMBER: H45003
 CATALOG NUMBER: 1212-1 BLACK

Iso-Footcandle Lines of Horizontal Illumination

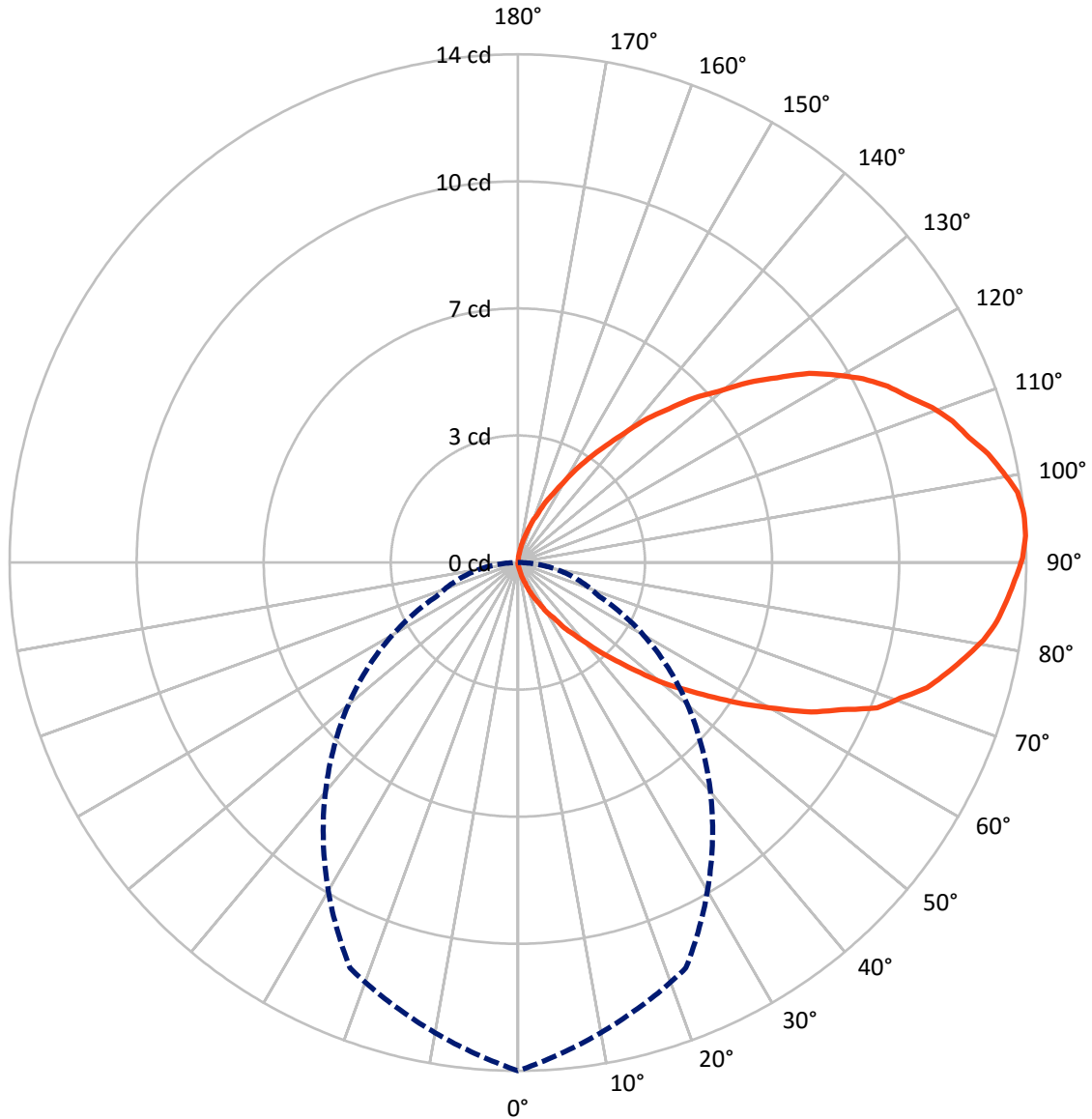
× Max cd
 - - - 1/2 Max cd



Based on 0.5 foot mounting height. Maximum calculated value = 5.6 fc
 Type - Short - Non-Cutoff

REPORT NUMBER: H45003
CATALOG NUMBER: 1212-1 BLACK

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 92.5-Deg Vertical

REPORT NUMBER: H45003
 CATALOG NUMBER: 1212-1 BLACK

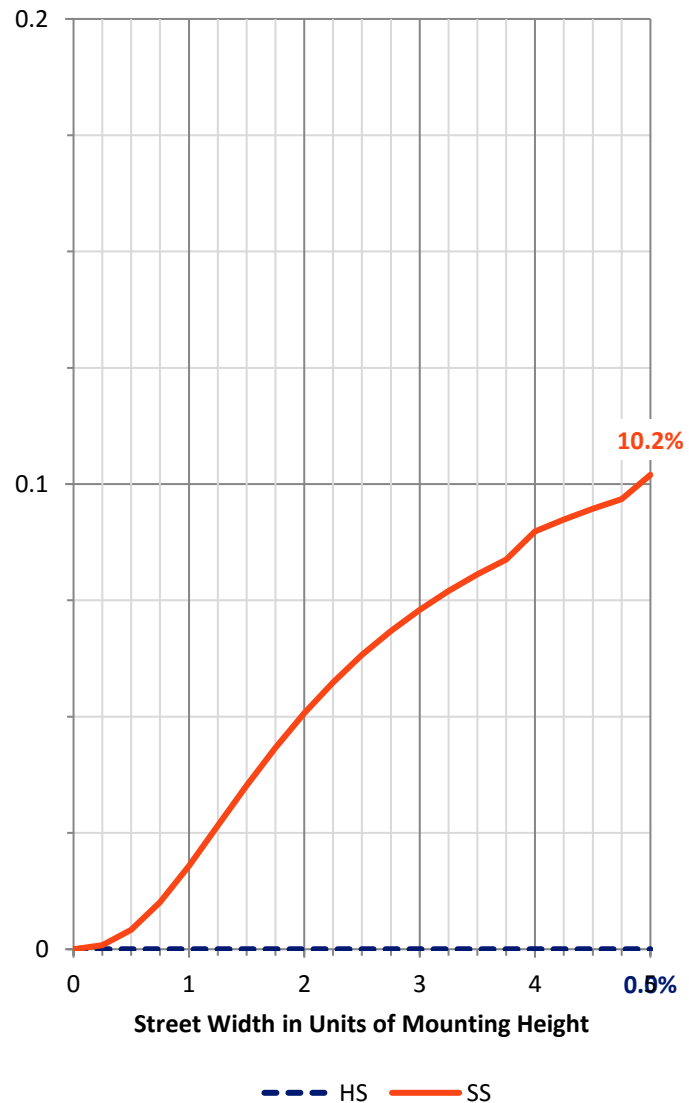
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	0.0	0.0	0.0
	% Lamp	0.0	0.0	0.0
Street Side	Lumens	12.1	14.2	26.3
	% Lamp	13.5	15.7	29.2
Total	Lumens	12.1	14.2	26.3
	% Lamp	13.5	15.7	29.2

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°	0.1	0.5	0.1
30°-40°	0.4	1.4	0.4
40°-50°	0.8	3.0	0.9
50°-60°	1.5	5.6	1.6
60°-70°	2.4	9.1	2.7
70°-80°	3.2	12.3	3.6
80°-90°	3.7	14.2	4.1
90°-100°	3.8	14.6	4.3
100°-110°	3.5	13.2	3.9
110°-120°	2.8	10.7	3.1
120°-130°	2.0	7.5	2.2
130°-140°	1.2	4.5	1.3
140°-150°	0.6	2.2	0.6
150°-160°	0.2	0.8	0.2
160°-170°	0.1	0.2	0.1
170°-180°	0.0	0.0	0.0
0°-90°	12.1	46.2	13.5
0°-180°	26.3	100.0	29.2

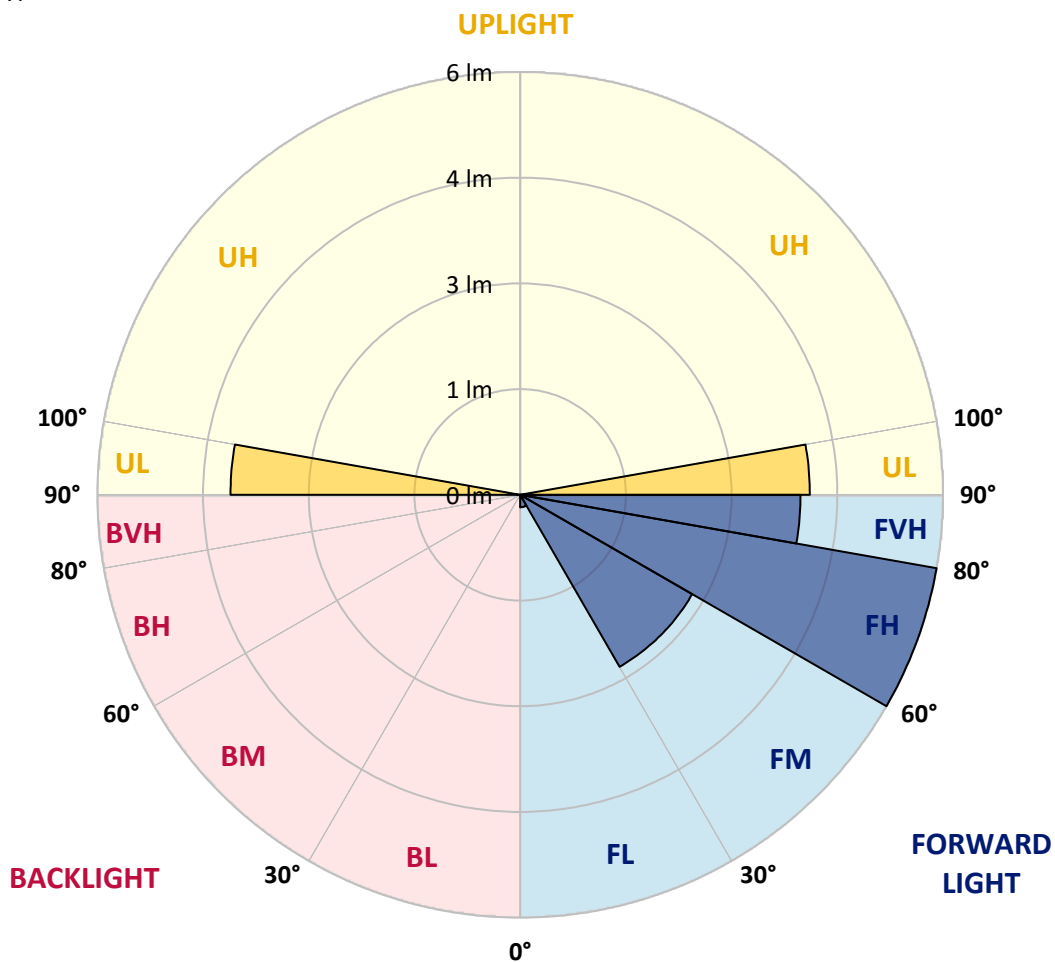


REPORT NUMBER: H45003
 CATALOG NUMBER: 1212-1 BLACK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	0.2	0.2			
FM (30°-60°)	2.6	2.9			
FH (60°-80°)	5.6	6.2			G0/660
FVH (80°-90°)	3.7	4.1			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°)	3.8	4.3		U1/10	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	63.7	70.8			

BUG Rating: B0-U2-G0
 Type Short





REPORT NUMBER: H45003
 CATALOG NUMBER: 1212-1 BLACK

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°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
15°	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0
17.5°	0.5	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0
20°	0.7	0.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0
22.5°	0.9	0.8	0.5	0.1	0.0	0.0	0.0	0.0	0.0
25°	1.1	0.9	0.6	0.2	0.0	0.0	0.0	0.0	0.0
27.5°	1.3	1.1	0.7	0.2	0.0	0.0	0.0	0.0	0.0
30°	1.6	1.4	0.8	0.3	0.0	0.0	0.0	0.0	0.0
32.5°	1.8	1.6	1.0	0.3	0.0	0.0	0.0	0.0	0.0
35°	2.2	1.9	1.2	0.4	0.0	0.0	0.0	0.0	0.0
37.5°	2.5	2.2	1.4	0.4	0.0	0.0	0.0	0.0	0.0
40°	2.9	2.5	1.6	0.5	0.0	0.0	0.0	0.0	0.0
42.5°	3.4	2.9	1.8	0.6	0.0	0.0	0.0	0.0	0.0
45°	3.9	3.4	2.0	0.7	0.0	0.0	0.0	0.0	0.0
47.5°	4.5	3.8	2.3	0.8	0.0	0.0	0.0	0.0	0.0
50°	5.2	4.4	2.6	0.9	0.0	0.0	0.0	0.0	0.0
52.5°	5.8	4.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0
55°	6.5	5.5	3.2	1.1	0.0	0.0	0.0	0.0	0.0
57.5°	7.3	6.2	3.6	1.2	0.0	0.0	0.0	0.0	0.0
60°	8.1	6.8	3.9	1.3	0.0	0.0	0.0	0.0	0.0
62.5°	9.0	7.5	4.3	1.4	0.0	0.0	0.0	0.0	0.0
65°	9.7	8.2	4.7	1.5	0.0	0.0	0.0	0.0	0.0
67.5°	10.6	8.8	5.1	1.6	0.0	0.0	0.0	0.0	0.0
70°	11.1	9.5	5.4	1.8	0.0	0.0	0.0	0.0	0.0
72.5°	11.7	10.0	5.7	1.9	0.0	0.0	0.0	0.0	0.0
75°	12.1	10.4	6.0	2.0	0.0	0.0	0.0	0.0	0.0
77.5°	12.5	10.8	6.3	2.1	0.0	0.0	0.0	0.0	0.0
80°	12.9	11.1	6.5	2.1	0.0	0.0	0.0	0.0	0.0
82.5°	13.2	11.3	6.7	2.2	0.0	0.0	0.0	0.0	0.0
85°	13.4	11.6	6.8	2.3	0.0	0.0	0.0	0.0	0.0
87.5°	13.6	11.8	7.0	2.3	0.0	0.0	0.0	0.0	0.0
90°	13.8	11.9	7.0	2.3	0.0	0.0	0.0	0.0	0.0
92.5°	13.9	12.0	7.1	2.4	0.0	0.0	0.0	0.0	0.0
95°	13.9	12.0	7.1	2.4	0.0	0.0	0.0	0.0	0.0
97.5°	13.8	11.8	7.0	2.4	0.0	0.0	0.0	0.0	0.0
100°	13.5	11.7	6.9	2.3	0.0	0.0	0.0	0.0	0.0
102.5°	13.2	11.4	6.8	2.3	0.0	0.0	0.0	0.0	0.0
105°	12.8	11.1	6.6	2.2	0.0	0.0	0.0	0.0	0.0
107.5°	12.5	10.8	6.4	2.2	0.0	0.0	0.0	0.0	0.0
110°	12.1	10.4	6.2	2.1	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: H45003
 CATALOG NUMBER: 1212-1 BLACK

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
112.5°	11.6	10.1	6.0	2.0	0.0	0.0	0.0	0.0	0.0
115°	11.2	9.7	5.7	1.9	0.0	0.0	0.0	0.0	0.0
117.5°	10.7	9.1	5.4	1.8	0.0	0.0	0.0	0.0	0.0
120°	10.1	8.6	5.1	1.7	0.0	0.0	0.0	0.0	0.0
122.5°	9.5	8.0	4.8	1.6	0.0	0.0	0.0	0.0	0.0
125°	8.7	7.4	4.4	1.5	0.0	0.0	0.0	0.0	0.0
127.5°	8.0	6.8	4.0	1.3	0.0	0.0	0.0	0.0	0.0
130°	7.2	6.2	3.7	1.2	0.0	0.0	0.0	0.0	0.0
132.5°	6.6	5.6	3.4	1.1	0.0	0.0	0.0	0.0	0.0
135°	5.9	5.1	3.0	1.0	0.0	0.0	0.0	0.0	0.0
137.5°	5.3	4.5	2.7	0.9	0.0	0.0	0.0	0.0	0.0
140°	4.6	4.0	2.4	0.8	0.0	0.0	0.0	0.0	0.0
142.5°	4.0	3.5	2.1	0.7	0.0	0.0	0.0	0.0	0.0
145°	3.5	3.0	1.8	0.6	0.0	0.0	0.0	0.0	0.0
147.5°	3.0	2.6	1.6	0.5	0.0	0.0	0.0	0.0	0.0
150°	2.5	2.2	1.3	0.4	0.0	0.0	0.0	0.0	0.0
152.5°	2.1	1.8	1.1	0.3	0.0	0.0	0.0	0.0	0.0
155°	1.8	1.5	0.9	0.3	0.0	0.0	0.0	0.0	0.0
157.5°	1.4	1.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0
160°	1.2	1.0	0.6	0.2	0.0	0.0	0.0	0.0	0.0
162.5°	0.9	0.8	0.5	0.1	0.0	0.0	0.0	0.0	0.0
165°	0.7	0.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0
167.5°	0.5	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0
170°	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.2	0.2	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	0.0	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)