

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: CORELITE

Report Number: P286862

Luminaire Tested: **DWI-WA-15L835-1D-UNV-STD-W-WM-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P286862  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (ITL87014-GONIOPHOTOMETRY)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: DWI-WA-15L835-1D-UNV-STD-W-WM-4  
Description: DIVIDE 4' WALL MOUNTED DIRECT/INDIRECT LED LUMINAIRE  
WAVESTREAM SPECULAR OPTIC, ASYMMETRIC  
Light Source: (154) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1473.0 lumens  
Efficiency: N/A  
Efficacy: 128.1 lumens/watt  
Spacing Criteria (0/90/45): 1.55 / 1.46 / 1.61  
Luminous Opening: Rectangular (W 3.86' x L: 0.36' x H: 0')  
CIE Type: General Diffuse

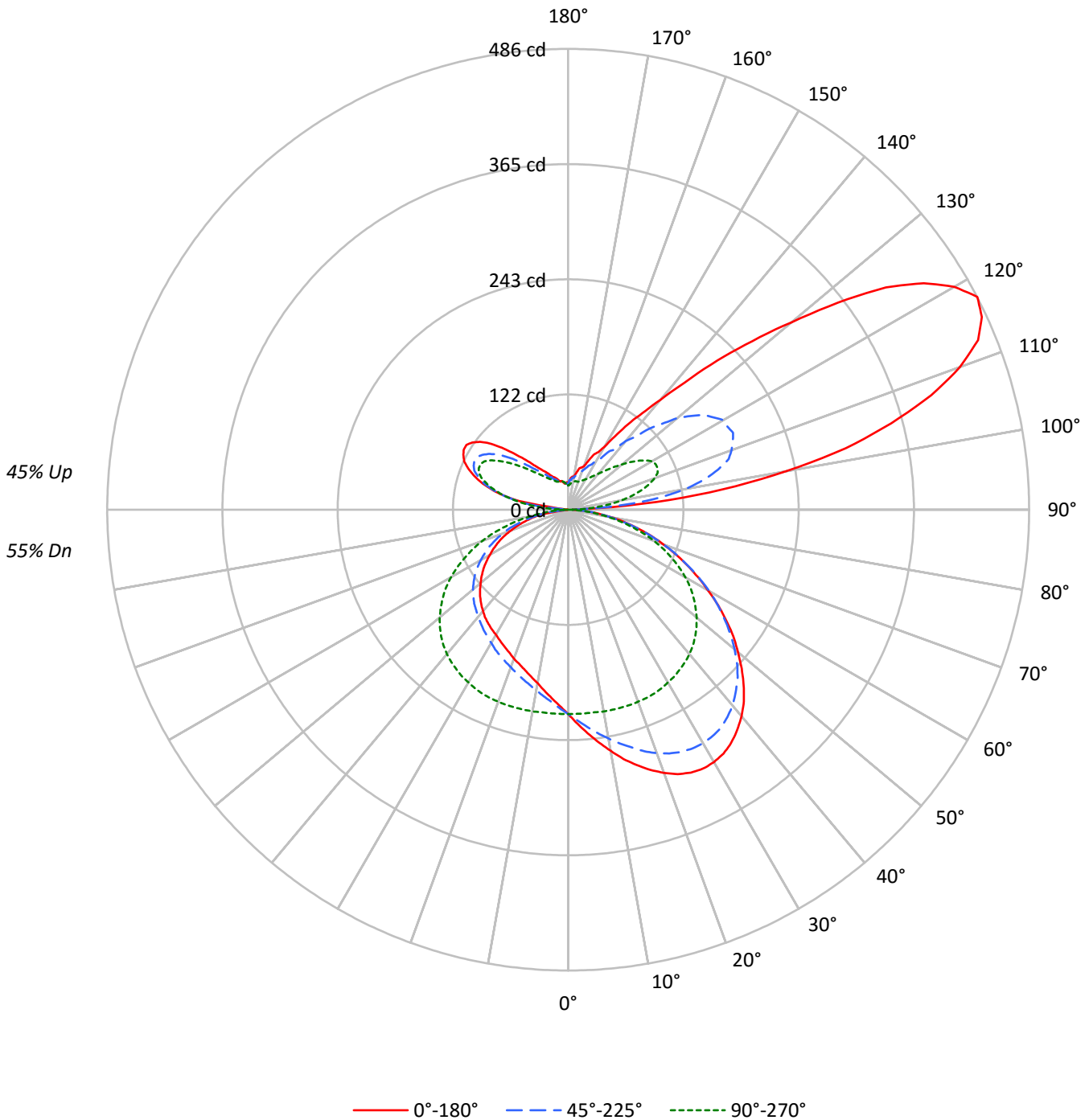
Input Watts (W): 11.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P286862

CATALOG NUMBER: DWI-WA-15L835-1D-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P286862

CATALOG NUMBER: DWI-WA-15L835-1D-UNV-STD-W-WM-4

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	98	94	90	86	91	87	84	80	75	72	70	64	62	60	53	52	51	46
2	89	81	75	69	82	76	70	65	65	61	57	55	52	49	46	44	42	37
3	81	71	63	57	75	66	59	54	57	52	47	48	44	41	40	37	35	31
4	74	62	54	48	68	58	51	45	50	44	40	43	38	34	36	32	29	26
5	68	55	47	41	62	52	44	38	45	38	34	38	33	29	32	28	25	22
6	62	49	41	35	57	46	38	33	40	34	29	34	29	26	29	25	22	19
7	57	44	36	30	53	42	34	29	36	30	26	31	26	22	26	22	19	17
8	53	40	32	27	49	38	30	25	33	27	22	28	23	20	24	20	17	15
9	49	37	29	24	46	34	27	22	30	24	20	26	21	18	22	18	15	13
10	46	33	26	21	43	31	25	20	27	22	18	24	19	16	20	16	14	12

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	1646	1646	1646
5°	1814	1653	1529
10°	2003	1676	1441
15°	2205	1708	1386
20°	2401	1752	1360
25°	2579	1804	1342
30°	2712	1856	1343
35°	2797	1916	1368
40°	2835	1984	1392
45°	2827	2046	1416
50°	2776	2101	1432
55°	2709	2147	1452
60°	2602	2179	1458
65°	2496	2178	1471
70°	2379	2153	1436
75°	2237	2031	1378
80°	2055	1813	1258
85°	1806	1499	0



TEST NUMBER: P286862

CATALOG NUMBER: DWI-WA-15L835-1D-UNV-STD-W-WM-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.8	1.4
10°-20°	63.0	4.3
20°-30°	103.7	7.0
30°-40°	135.4	9.2
40°-50°	150.0	10.2
50°-60°	142.6	9.7
60°-70°	114.0	7.7
70°-80°	68.7	4.7
80°-90°	17.1	1.2
90°-100°	43.5	3.0
100°-110°	145.0	9.8
110°-120°	176.3	12.0
120°-130°	141.1	9.6
130°-140°	79.9	5.4
140°-150°	39.1	2.7
150°-160°	20.2	1.4
160°-170°	9.9	0.7
170°-180°	2.9	0.2
0°-30°	187.4	12.7
0°-40°	322.8	21.9
0°-60°	615.4	41.8
0°-90°	815.2	55.3
90°-120°	364.8	24.8
90°-150°	624.9	42.4
90°-180°	658.0	44.7
0°-180°	1473.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	216	216	216	216	216	
5°	237	230	216	203	199	23
15°	279	260	216	185	175	79
25°	306	282	214	170	159	141
35°	300	281	205	155	147	187
45°	262	253	189	140	131	201
55°	203	201	161	120	109	182
65°	138	139	120	91	81	137
75°	76	75	69	53	47	80
85°	21	20	17	2	0	22
90°	5	4	0	0	0	5
95°	93	61	30	3	0	104
105°	353	164	80	83	84	367
115°	481	192	104	110	121	469
125°	409	174	90	102	124	360
135°	222	121	61	70	87	175
145°	110	75	42	46	53	71
155°	64	51	34	35	38	29
165°	45	38	31	30	31	12
175°	34	31	28	28	29	3
180°	26	26	26	26	26	



TEST NUMBER: P286862

CATALOG NUMBER: DWI-WA-15L835-1D-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	215.5	215.5	215.5	215.5	215.5	215.5	215.5	215.5	215.5	215.5	215.5
2.5°	226.0	226.0	225.5	225.0	224.0	222.5	221.0	219.5	218.0	216.5	215.5
5°	236.6	236.6	235.6	234.6	232.5	230.0	227.0	224.5	220.5	217.5	215.5
7.5°	247.6	247.6	246.1	244.1	241.6	237.6	233.6	229.0	223.0	218.5	215.5
10°	258.2	258.2	256.7	254.6	250.6	245.1	239.6	233.1	226.0	219.5	216.0
12.5°	269.2	269.2	266.7	264.2	259.2	252.6	245.6	237.1	229.0	220.0	216.0
15°	278.8	278.8	276.7	273.7	267.7	259.7	251.1	240.6	231.0	221.0	216.0
17.5°	287.8	287.8	285.8	281.8	275.7	267.2	256.7	244.1	233.1	221.5	216.0
20°	295.3	295.3	293.3	289.3	282.8	273.2	261.2	248.1	234.6	222.0	215.5
22.5°	301.9	301.4	299.4	294.8	288.3	278.3	265.7	250.1	236.1	222.0	215.0
25°	305.9	305.4	303.4	299.4	291.8	281.8	268.2	251.6	236.6	222.0	214.0
27.5°	307.9	307.4	305.9	301.4	294.3	283.8	270.2	253.1	236.6	221.5	212.5
30°	307.4	307.4	305.4	301.9	294.8	284.3	270.7	253.1	236.1	220.0	210.4
32.5°	304.9	304.4	302.9	299.9	293.3	283.3	270.2	252.1	235.1	218.0	208.4
35°	299.9	299.9	298.8	295.8	290.3	280.8	267.2	249.6	232.5	215.0	205.4
37.5°	292.8	292.8	292.3	289.8	284.8	275.7	263.2	246.6	229.0	212.0	202.4
40°	284.3	284.8	283.8	281.8	277.8	269.7	258.2	242.1	225.0	207.9	198.9
42.5°	274.2	274.2	273.2	272.2	268.7	261.2	251.1	236.1	220.0	202.9	194.4
45°	261.7	261.7	261.2	260.7	257.7	252.6	243.1	229.0	214.0	197.4	189.4
47.5°	248.1	248.6	248.1	248.1	246.1	241.6	233.1	220.0	206.9	191.4	183.3
50°	233.6	234.6	234.1	234.6	232.5	229.0	222.0	211.0	198.9	184.3	176.8
52.5°	219.5	219.0	218.5	219.5	218.5	215.5	209.4	200.9	189.4	176.3	169.3
55°	203.4	202.9	203.4	204.4	203.4	201.4	196.9	188.9	179.3	167.8	161.2
57.5°	187.3	186.8	187.3	188.3	187.8	186.8	182.8	176.3	168.8	158.2	152.7
60°	170.3	170.8	171.3	171.8	172.8	171.8	167.8	163.2	157.2	148.2	142.6
62.5°	154.2	154.2	155.2	155.7	156.2	155.2	153.2	149.2	145.2	137.1	132.1
65°	138.1	138.1	138.6	139.1	140.1	139.1	137.6	135.1	131.6	125.1	120.5
67.5°	122.6	122.1	122.6	123.6	123.1	123.1	121.0	120.5	117.5	112.5	109.0
70°	106.5	106.0	106.5	106.5	107.0	106.5	106.0	105.5	103.0	100.5	96.4
72.5°	91.4	90.4	90.9	91.4	90.9	90.9	89.9	89.9	88.4	86.4	82.9
75°	75.8	75.3	75.3	75.3	75.3	74.8	73.3	74.3	73.8	72.3	68.8
77.5°	60.8	60.8	61.3	60.3	60.8	59.3	59.8	58.8	59.3	57.8	55.2
80°	46.7	46.2	46.2	46.2	46.2	45.2	44.7	44.2	45.2	43.7	41.2
82.5°	32.1	32.6	32.1	31.6	32.1	32.1	31.6	30.6	31.1	29.6	28.1
85°	20.6	20.6	20.6	19.6	19.6	19.6	20.1	19.6	19.1	18.1	17.1
87.5°	9.5	10.0	10.0	10.0	10.0	9.5	9.5	9.0	8.5	8.0	7.5
90°	5.0	5.0	4.5	4.5	4.0	3.5	3.0	2.0	1.5	0.5	0.0
92.5°	15.1	12.1	15.6	16.6	16.6	16.6	14.6	13.6	14.1	14.1	14.6
95°	93.4	89.4	92.4	88.4	77.9	60.8	40.7	32.6	31.1	29.6	30.1
97.5°	164.2	160.2	161.7	152.7	131.6	96.9	63.8	49.7	47.2	44.2	44.2
100°	233.6	230.5	227.0	214.0	179.3	125.6	82.9	65.3	62.3	58.3	57.3
102.5°	299.9	294.8	287.3	264.2	218.5	146.7	98.4	78.9	76.3	70.8	69.3
105°	352.6	348.1	340.0	304.4	245.6	163.7	110.5	91.4	88.9	81.9	80.4
107.5°	401.3	398.8	378.7	339.5	264.2	177.3	122.6	103.5	98.9	91.9	89.4
110°	439.5	435.5	415.4	363.1	277.3	183.3	134.1	114.5	106.0	100.0	96.9



TEST NUMBER: P286862

CATALOG NUMBER: DWI-WA-15L835-1D-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	467.6	464.6	434.5	374.2	277.8	187.8	140.6	121.5	110.5	105.5	102.0
115°	481.2	476.7	446.5	375.7	275.7	191.9	145.2	124.6	114.0	109.0	104.0
117.5°	486.2	481.2	440.0	365.1	265.7	189.4	150.2	127.1	115.5	109.5	104.0
120°	470.1	465.6	424.9	347.1	256.7	188.9	149.2	129.6	116.0	108.0	102.0
122.5°	444.5	439.0	399.3	325.0	239.6	181.3	145.2	125.6	113.5	103.5	96.9
125°	408.8	403.8	359.1	292.8	226.0	174.3	142.1	118.5	106.5	96.4	89.9
127.5°	358.6	355.6	319.4	264.7	203.9	162.2	131.1	112.5	96.9	88.9	82.4
130°	307.4	305.4	280.8	234.6	186.3	150.2	123.1	105.0	87.4	80.4	74.3
132.5°	263.2	261.7	237.6	200.9	164.7	133.6	110.5	92.4	80.4	71.8	67.3
135°	222.5	222.0	199.9	174.3	143.6	121.0	97.9	83.4	73.8	64.3	60.8
137.5°	181.8	181.8	170.3	149.7	127.6	103.5	89.4	77.3	66.8	57.8	54.2
140°	151.2	149.2	143.1	123.6	107.0	94.4	76.8	67.3	58.8	52.2	49.7
142.5°	128.1	126.1	116.0	106.5	93.9	79.9	72.8	60.3	52.2	47.2	45.7
145°	110.0	109.5	98.9	95.4	84.4	75.3	62.3	57.8	48.7	43.2	42.2
147.5°	91.4	91.4	88.9	79.9	71.3	64.3	59.8	50.7	46.7	40.2	39.2
150°	76.8	76.8	77.3	70.8	67.3	61.8	53.2	46.7	44.2	38.2	37.2
152.5°	68.3	68.8	65.3	66.8	59.3	53.7	49.2	46.2	40.2	36.2	35.2
155°	64.3	64.8	59.8	57.3	53.2	51.2	47.7	41.7	37.2	35.2	33.7
157.5°	55.8	56.8	57.3	51.2	52.2	46.7	41.7	38.2	35.7	34.7	32.1
160°	48.7	49.2	49.7	50.7	44.7	43.7	42.7	39.2	36.2	34.2	31.6
162.5°	46.7	46.2	44.7	44.7	43.7	41.7	37.2	36.7	35.7	33.7	31.1
165°	45.2	45.7	44.2	39.7	40.7	38.2	37.7	33.1	33.1	32.6	31.1
167.5°	39.7	40.2	40.7	40.2	36.2	37.2	34.7	34.2	31.1	32.1	30.6
170°	35.2	35.7	35.2	36.2	37.2	34.2	33.1	33.7	30.6	31.6	30.1
172.5°	35.2	34.7	34.2	32.6	32.1	34.2	33.1	30.6	31.1	30.6	29.1
175°	33.7	34.2	34.2	33.7	32.6	31.1	30.1	30.6	31.1	29.1	27.6
177.5°	30.6	31.1	30.6	31.1	31.1	31.6	31.6	31.1	29.1	27.1	26.1
180°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6



TEST NUMBER: P286862

CATALOG NUMBER: DWI-WA-15L835-1D-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
0°	215.5	215.5	215.5	215.5
2.5°	212.5	209.4	207.4	206.9
5°	208.9	203.4	200.4	199.4
7.5°	205.9	198.4	193.9	192.4
10°	202.9	193.4	187.8	185.8
12.5°	199.4	188.9	182.3	180.3
15°	196.9	184.8	177.8	175.3
17.5°	193.9	180.8	173.3	170.8
20°	190.9	176.8	169.3	167.3
22.5°	188.3	173.3	165.7	162.7
25°	185.3	169.8	161.7	159.2
27.5°	182.3	166.3	158.2	155.7
30°	179.3	162.2	154.7	152.2
32.5°	175.8	158.7	151.7	149.7
35°	172.8	155.2	148.7	146.7
37.5°	169.3	151.2	145.2	143.6
40°	165.2	147.7	141.6	139.6
42.5°	161.2	143.6	138.1	135.6
45°	156.7	140.1	134.1	131.1
47.5°	152.2	135.6	129.1	126.1
50°	146.7	131.1	123.6	120.5
52.5°	140.6	125.6	118.0	115.0
55°	134.6	120.0	112.0	109.0
57.5°	128.1	113.5	105.5	102.5
60°	120.5	106.5	98.9	95.4
62.5°	112.5	98.9	91.4	88.4
65°	104.5	91.4	83.9	81.4
67.5°	95.9	82.4	75.3	73.3
70°	85.4	73.3	66.3	64.3
72.5°	74.3	64.3	56.8	55.8
75°	63.3	53.2	47.7	46.7
77.5°	51.7	42.2	38.7	38.2
80°	39.7	31.6	29.1	28.6
82.5°	27.1	21.1	2.5	0.0
85°	15.1	1.5	0.5	0.0
87.5°	1.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0
92.5°	3.5	0.5	0.0	0.0
95°	26.6	3.0	0.5	0.0
97.5°	44.7	39.2	14.6	0.0
100°	59.3	56.3	54.7	52.7
102.5°	70.3	70.3	71.3	70.8
105°	79.4	82.9	83.9	84.4
107.5°	87.9	93.4	95.4	96.4
110°	94.9	100.5	105.5	106.0





TEST NUMBER: P286862

CATALOG NUMBER: DWI-WA-15L835-1D-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
112.5°	98.4	107.0	112.5	114.5
115°	100.0	110.0	118.5	121.0
117.5°	100.0	111.5	122.1	124.6
120°	98.9	111.0	123.1	127.1
122.5°	94.9	107.5	122.6	127.1
125°	88.4	102.5	118.0	123.6
127.5°	81.9	95.9	111.0	117.5
130°	75.3	87.9	103.5	109.0
132.5°	67.3	79.4	92.9	97.9
135°	60.3	70.3	82.4	86.9
137.5°	55.2	63.3	72.8	76.3
140°	50.2	56.3	64.8	67.3
142.5°	44.7	51.7	56.8	59.3
145°	41.7	46.2	51.7	53.2
147.5°	39.7	43.7	47.7	48.7
150°	36.7	39.7	43.2	45.2
152.5°	34.7	38.7	40.7	41.2
155°	34.2	35.2	38.7	38.2
157.5°	33.1	34.7	35.2	36.7
160°	30.6	32.1	33.7	34.7
162.5°	30.1	32.1	33.1	32.1
165°	30.6	30.1	30.6	30.6
167.5°	29.1	30.1	29.1	31.1
170°	28.1	28.1	29.6	29.1
172.5°	29.1	29.1	27.6	27.6
175°	29.1	28.1	27.6	28.6
177.5°	25.1	27.6	28.6	29.1
180°	25.6	25.6	25.6	25.6

(END OF REPORT)