

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: P286899

Luminaire Tested: **DWI-WD-25L835-1D-UNV-STD-W-WM-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (ITL87015-GONIOPHOTOMETRY)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: DWI-WD-25L835-1D-UNV-STD-W-WM-4
Description: DIVIDE 4' WALL MOUNTED DIRECT/INDIRECT LED LUMINAIRE
WAVESTREAM DIFFUSE OPTIC, ASYMMETRIC
Light Source: (154) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2518.0 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Spacing Criteria (0/90/45): 1.5 / 1.34 / 1.55
Luminous Opening: Rectangular (W 3.86' x L: 0.36' x H: 0')
CIE Type: General Diffuse

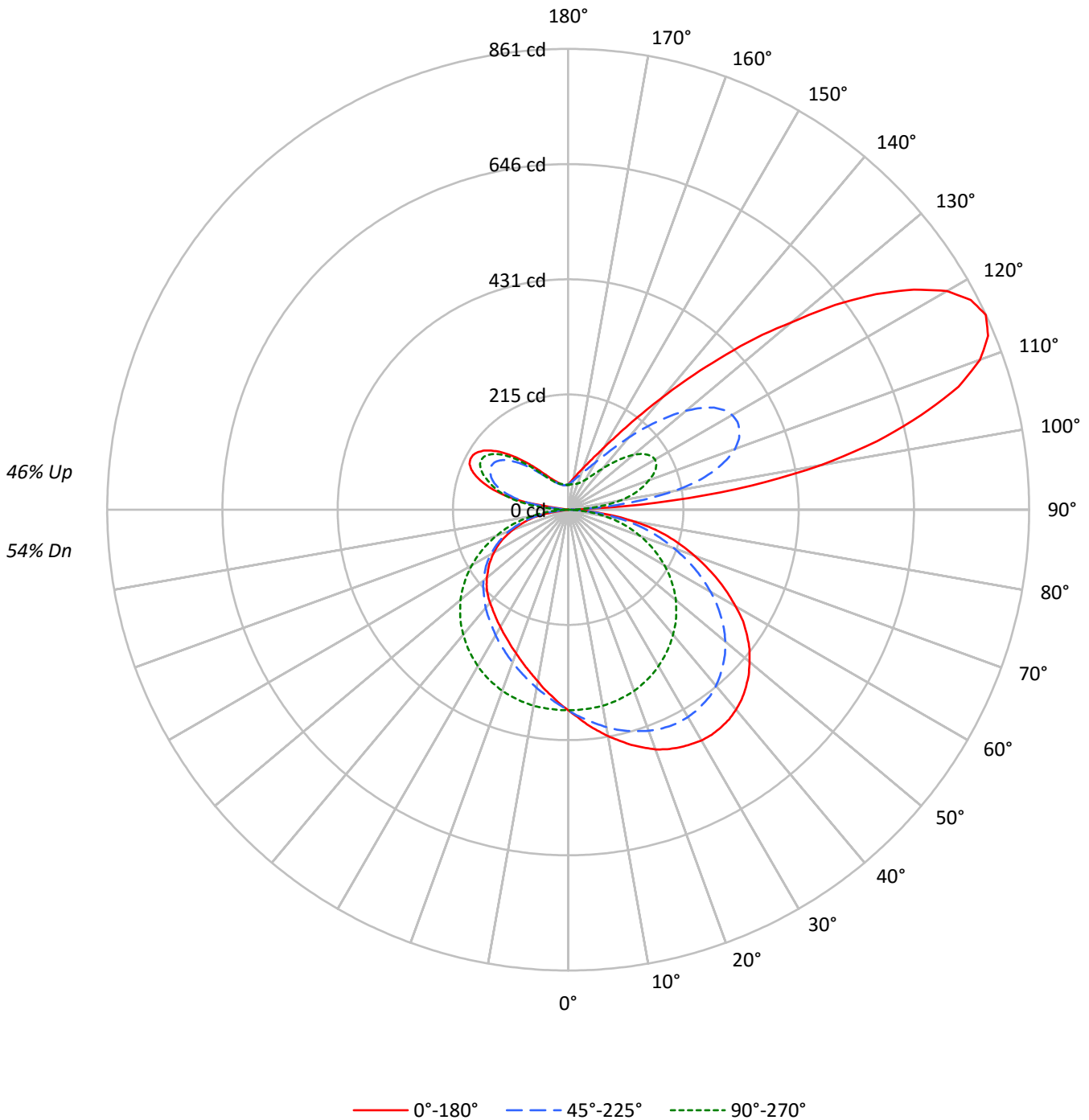
Input Watts (W): 19
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P286899

CATALOG NUMBER: DWI-WD-25L835-1D-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P286899

CATALOG NUMBER: DWI-WD-25L835-1D-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	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	98	93	89	85	91	87	83	80	74	72	69	63	61	59	52	51	49	44
2	89	81	74	69	82	75	69	64	64	60	56	54	51	48	45	43	41	36
3	81	70	63	56	74	65	59	53	56	51	46	47	43	40	39	36	34	30
4	73	62	54	47	68	58	50	44	49	44	39	42	37	34	35	31	29	25
5	67	55	46	40	62	51	43	38	44	38	33	37	32	29	31	27	24	21
6	62	49	40	34	57	46	38	32	39	33	29	33	29	25	28	24	21	18
7	57	44	36	30	52	41	34	28	35	29	25	30	25	22	25	22	19	16
8	53	40	32	26	49	37	30	25	32	26	22	28	23	19	23	19	17	14
9	49	36	29	23	45	34	27	22	29	24	20	25	21	17	21	18	15	13
10	46	33	26	21	42	31	24	20	27	21	18	23	19	15	20	16	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	2862	2862	2862
5°	3087	2867	2679
10°	3332	2887	2527
15°	3597	2903	2409
20°	3876	2929	2319
25°	4132	2952	2262
30°	4391	2977	2233
35°	4635	3006	2235
40°	4864	3038	2264
45°	5069	3081	2315
50°	5254	3119	2357
55°	5429	3147	2405
60°	5517	3172	2449
65°	5568	3189	2486
70°	5598	3185	2450
75°	5703	3188	2391
80°	5455	3044	1672
85°	3918	2367	0



TEST NUMBER: P286899

CATALOG NUMBER: DWI-WD-25L835-1D-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	1.4
10°-20°	105.8	4.2
20°-30°	168.8	6.7
30°-40°	217.2	8.6
40°-50°	243.0	9.7
50°-60°	238.2	9.5
60°-70°	198.5	7.9
70°-80°	128.7	5.1
80°-90°	31.9	1.3
90°-100°	75.0	3.0
100°-110°	253.5	10.1
110°-120°	304.4	12.1
120°-130°	249.2	9.9
130°-140°	146.2	5.8
140°-150°	68.4	2.7
150°-160°	32.9	1.3
160°-170°	15.8	0.6
170°-180°	4.7	0.2
0°-30°	310.4	12.3
0°-40°	527.7	21.0
0°-60°	1008.9	40.1
0°-90°	1367.9	54.3
90°-120°	632.9	25.1
90°-150°	1096.7	43.6
90°-180°	1150.0	45.7
0°-180°	2518.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	375	375	375	375	375	
5°	402	394	374	356	349	39
15°	455	428	367	321	305	129
25°	490	446	350	287	268	227
35°	497	441	322	255	240	311
45°	469	409	285	223	214	362
55°	408	348	236	188	181	363
65°	308	261	176	143	138	304
75°	193	159	108	87	81	201
85°	45	38	27	2	0	53
90°	8	5	0	0	0	9
95°	196	78	46	2	0	218
105°	683	284	135	122	145	709
115°	861	354	181	160	203	838
125°	702	332	180	160	192	625
135°	398	230	130	120	138	315
145°	187	132	78	77	85	123
155°	103	84	56	56	60	49
165°	70	62	50	49	49	20
175°	52	50	47	46	46	5
180°	46	46	46	46	46	



TEST NUMBER: P286899

CATALOG NUMBER: DWI-WD-25L835-1D-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6
2.5°	387.3	388.1	388.1	387.3	386.5	384.8	383.1	380.6	378.9	376.3	374.6
5°	402.5	402.5	402.5	400.0	397.4	394.1	389.8	385.6	381.4	377.2	373.8
7.5°	416.0	416.8	415.1	412.6	408.4	403.3	397.4	390.7	383.9	376.3	373.0
10°	429.5	430.3	427.8	425.3	419.4	412.6	404.2	394.1	384.8	375.5	372.1
12.5°	442.1	443.0	440.5	437.1	430.3	421.1	410.1	397.4	385.6	375.5	369.6
15°	454.8	454.8	452.3	448.1	438.8	427.8	415.1	400.0	385.6	373.0	367.1
17.5°	465.8	464.9	462.4	456.5	446.4	433.7	418.5	400.8	384.8	370.4	363.7
20°	476.7	475.9	472.5	465.8	454.8	439.6	422.7	402.5	383.9	367.9	360.3
22.5°	484.3	483.5	480.1	472.5	460.7	443.8	424.4	401.6	381.4	364.5	355.2
25°	490.2	490.2	486.0	478.4	464.9	446.4	425.3	400.8	378.9	359.5	350.2
27.5°	494.5	494.5	490.2	481.8	467.5	448.1	424.4	399.1	374.6	354.4	344.3
30°	497.8	497.0	492.8	482.7	468.3	447.2	422.7	395.7	370.4	348.5	337.5
32.5°	498.7	497.8	492.8	482.7	466.6	445.5	420.2	391.5	364.5	341.7	329.9
35°	497.0	496.2	491.1	480.1	463.2	441.3	415.1	385.6	357.8	334.1	322.3
37.5°	493.6	493.6	487.7	476.7	459.9	437.1	410.1	379.7	351.0	325.7	313.9
40°	487.7	487.7	481.8	470.0	453.1	429.5	402.5	372.1	342.6	316.4	304.6
42.5°	480.1	479.3	472.5	460.7	443.0	420.2	393.2	362.0	333.3	306.3	295.3
45°	469.2	468.3	462.4	450.6	432.0	409.2	382.2	351.9	323.2	296.2	285.2
47.5°	457.3	456.5	449.7	437.9	420.2	397.4	370.4	340.9	312.2	286.0	273.4
50°	442.1	442.1	435.4	423.6	405.9	383.1	356.1	327.4	299.5	273.4	262.4
52.5°	427.0	425.3	418.5	405.9	389.0	367.1	340.9	313.0	286.0	260.7	249.8
55°	407.6	405.0	399.1	387.3	370.4	348.5	324.0	297.0	271.7	247.2	236.3
57.5°	387.3	384.8	377.2	365.4	349.3	329.1	305.5	280.1	256.5	232.9	222.8
60°	361.1	361.1	353.6	341.7	326.5	307.1	286.0	262.4	239.6	217.7	207.6
62.5°	335.0	335.8	328.2	316.4	302.1	284.4	265.0	243.0	221.9	202.5	192.4
65°	308.0	308.0	300.4	289.4	276.8	260.7	242.2	222.8	203.4	185.6	176.4
67.5°	279.3	279.3	273.4	261.6	249.8	235.4	219.4	202.5	184.8	167.9	159.5
70°	250.6	249.8	244.7	233.7	222.8	210.1	195.8	181.4	165.4	150.2	142.6
72.5°	221.9	221.1	216.9	205.9	196.6	184.8	173.0	159.5	146.0	132.5	125.7
75°	193.2	191.5	187.3	177.2	168.8	158.6	146.8	137.5	125.7	113.9	108.0
77.5°	161.2	160.3	156.1	146.0	139.2	130.8	121.5	113.1	104.6	93.7	89.4
80°	124.0	122.4	119.8	111.4	107.2	100.4	93.7	87.8	81.0	73.4	69.2
82.5°	82.7	81.8	81.0	76.8	72.6	69.2	65.0	60.8	56.5	50.6	48.9
85°	44.7	45.6	44.7	42.2	39.7	38.0	37.1	34.6	32.9	28.7	27.0
87.5°	13.5	14.3	14.3	14.3	14.3	14.3	14.3	12.7	11.8	10.1	8.4
90°	7.6	7.6	7.6	6.8	6.8	5.1	4.2	2.5	1.7	0.0	0.0
92.5°	39.7	41.3	43.0	38.8	30.4	22.8	20.3	21.1	19.4	18.6	16.0
95°	195.8	194.9	188.2	162.9	119.0	78.5	63.3	60.8	54.8	51.5	46.4
97.5°	346.0	343.4	327.4	280.1	217.7	140.9	106.3	96.2	86.9	81.0	74.3
100°	479.3	475.9	451.4	390.7	302.1	201.7	147.7	128.3	115.6	105.5	98.7
102.5°	590.7	587.3	555.2	477.6	366.2	248.1	182.3	156.1	139.2	126.6	119.0
105°	682.6	680.1	639.6	545.9	415.1	283.5	209.3	178.0	158.6	142.6	135.0
107.5°	764.5	754.4	702.0	598.3	449.7	310.5	231.2	197.4	175.5	157.8	148.5
110°	818.5	808.4	749.3	632.0	471.7	331.6	251.5	214.3	190.7	170.4	160.3



TEST NUMBER: P286899

CATALOG NUMBER: DWI-WD-25L835-1D-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	848.9	842.1	776.3	649.7	483.5	345.1	266.6	228.7	203.4	182.3	172.1
115°	860.7	851.4	781.4	648.9	484.3	353.6	278.5	240.5	214.3	189.9	180.6
117.5°	848.0	837.9	766.2	632.8	476.7	356.1	286.0	247.2	219.4	195.8	185.6
120°	816.8	805.0	733.3	605.8	462.4	353.6	289.4	250.6	222.8	198.3	187.3
122.5°	765.3	754.4	685.2	567.0	440.5	346.0	286.0	248.9	221.1	195.8	185.6
125°	702.0	690.2	627.8	523.2	413.5	332.5	278.5	242.2	214.3	190.7	179.7
127.5°	628.6	616.0	565.3	473.4	381.4	312.2	265.0	230.4	203.4	181.4	171.3
130°	544.2	540.0	497.0	421.1	348.5	287.7	245.5	213.5	189.0	168.8	159.5
132.5°	474.2	461.6	427.8	367.9	309.7	259.9	222.8	194.1	171.3	153.6	145.1
135°	398.3	389.0	362.8	316.4	271.7	230.4	198.3	173.0	152.7	136.7	129.9
137.5°	331.6	326.5	304.6	271.7	234.6	202.5	174.7	151.9	134.2	120.7	114.8
140°	273.4	270.0	254.8	228.7	200.8	175.5	151.9	132.5	117.3	105.5	100.4
142.5°	225.3	222.8	211.8	192.4	172.1	151.9	131.6	116.4	102.1	92.8	88.6
145°	187.3	185.6	177.2	163.7	146.8	131.6	115.6	102.1	90.3	81.8	78.5
147.5°	156.9	156.1	150.2	140.9	128.3	114.8	102.1	90.3	80.2	73.4	70.0
150°	134.2	133.3	129.9	121.5	112.2	102.1	91.1	81.8	72.6	66.7	64.1
152.5°	116.4	115.6	113.1	107.2	100.4	92.0	82.7	75.1	67.5	61.6	59.9
155°	102.9	102.1	100.4	96.2	90.3	83.5	75.9	69.2	62.4	58.2	56.5
157.5°	92.0	92.0	90.3	86.9	81.8	76.8	70.9	65.0	59.1	55.7	54.0
160°	83.5	83.5	81.8	78.5	75.9	70.9	65.8	60.8	56.5	54.0	52.3
162.5°	75.9	75.9	74.3	72.6	70.0	65.8	62.4	58.2	54.8	52.3	50.6
165°	70.0	70.0	69.2	67.5	65.0	62.4	59.1	55.7	52.3	50.6	49.8
167.5°	64.1	65.0	64.1	62.4	60.8	58.2	55.7	53.2	51.5	49.8	48.9
170°	59.9	59.9	59.1	58.2	57.4	54.8	54.0	52.3	49.8	48.9	48.1
172.5°	55.7	55.7	54.8	54.8	54.0	53.2	51.5	50.6	48.9	48.1	48.1
175°	52.3	52.3	51.5	51.5	51.5	49.8	49.8	48.9	48.1	48.1	47.3
177.5°	49.8	49.8	49.8	48.9	48.9	48.9	48.9	48.1	47.3	47.3	46.4
180°	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4



TEST NUMBER: P286899

CATALOG NUMBER: DWI-WD-25L835-1D-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	374.6	374.6	374.6	374.6
2.5°	370.4	365.4	362.8	362.8
5°	364.5	356.1	351.0	349.3
7.5°	359.5	346.8	340.0	338.4
10°	352.7	338.4	329.1	325.7
12.5°	346.0	329.1	319.0	314.7
15°	338.4	320.6	308.8	304.6
17.5°	331.6	312.2	299.5	294.5
20°	324.0	303.8	290.3	285.2
22.5°	317.3	295.3	281.8	276.8
25°	309.7	286.9	273.4	268.3
27.5°	302.1	279.3	265.0	260.7
30°	293.6	270.9	257.4	253.1
32.5°	286.9	262.4	250.6	246.4
35°	278.5	254.8	243.0	239.6
37.5°	270.0	247.2	236.3	232.9
40°	260.7	239.6	229.5	227.0
42.5°	252.3	231.2	222.8	221.1
45°	243.0	222.8	216.0	214.3
47.5°	233.7	215.2	208.4	206.7
50°	223.6	206.7	200.0	198.3
52.5°	212.6	197.4	190.7	189.0
55°	202.5	188.2	181.4	180.6
57.5°	190.7	178.0	171.3	170.4
60°	178.9	167.1	161.2	160.3
62.5°	166.2	155.3	149.4	149.4
65°	153.6	143.4	137.5	137.5
67.5°	140.1	130.8	125.7	124.0
70°	126.6	117.3	110.5	109.7
72.5°	113.1	102.9	95.3	95.3
75°	97.0	86.9	81.0	81.0
77.5°	81.8	70.0	65.0	65.0
80°	64.1	51.5	44.7	38.0
82.5°	43.0	30.4	1.7	0.0
85°	21.9	1.7	0.0	0.0
87.5°	2.5	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0
92.5°	2.5	0.0	0.0	0.0
95°	32.1	2.5	0.8	0.0
97.5°	62.4	48.1	5.1	0.0
100°	87.8	78.5	80.2	80.2
102.5°	105.5	102.9	113.1	119.0
105°	119.0	121.5	136.7	145.1
107.5°	129.9	136.7	156.1	166.2
110°	140.1	147.7	171.3	183.1



TEST NUMBER: P286899

CATALOG NUMBER: DWI-WD-25L835-1D-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
112.5°	148.5	155.3	182.3	195.8
115°	155.3	160.3	188.2	203.4
117.5°	159.5	163.7	190.7	205.9
120°	161.2	165.4	189.9	205.0
122.5°	159.5	163.7	185.6	200.0
125°	155.3	159.5	178.9	192.4
127.5°	148.5	152.7	170.4	181.4
130°	138.4	142.6	158.6	168.8
132.5°	127.4	131.6	146.0	153.6
135°	114.8	119.8	131.6	138.4
137.5°	102.1	107.2	117.3	123.2
140°	91.1	95.3	103.8	108.8
142.5°	81.0	85.2	92.0	96.2
145°	72.6	76.8	81.8	85.2
147.5°	65.8	70.0	74.3	76.8
150°	60.8	64.1	68.3	69.2
152.5°	57.4	59.9	62.4	64.1
155°	54.0	56.5	59.1	59.9
157.5°	51.5	54.0	54.8	56.5
160°	49.8	51.5	53.2	53.2
162.5°	48.9	49.8	50.6	51.5
165°	48.1	48.9	48.9	48.9
167.5°	47.3	47.3	47.3	47.3
170°	47.3	46.4	46.4	46.4
172.5°	46.4	46.4	45.6	46.4
175°	46.4	45.6	45.6	45.6
177.5°	46.4	46.4	46.4	46.4
180°	46.4	46.4	46.4	46.4

(END OF REPORT)